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ORONO

BULLETIN No. 160

OCTOBER, 1908

FERTILIZER INSPECTION.

39

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BULLETIN No. 160.

FERTILIZER INSPECTION.

CHAS. D. WOODS, Director.

J. M. BARTLETT, Chemist in charge of Inspection Analyses.

The law regulating the sale of commercial fertilizers in this State calls for two bulletins each year. The first of these contains the analyses of the samples received from the manufacturer guaranteed to represent, within reasonable limits, the goods to be placed upon the market later. The second bulletin contains the analyses of the samples collected in the open market by a representative of the Station.

In the tables (pages 280 to 296) the analyses of the samples of commercial fertilizers collected in the open market in the spring of 1908 by the Station representative are given.

R. T. PRENTISS COMPANY'S AROOSTOOK COMPLETE FERTILIZER.

The fertilizer supplied by this company in 1907 ran quite uneven, which led to an investigation on the part of the Station after the regular samples for 1907 had been collected, analyzed and the results published. The results of the analyses of the samples collected late in the fall of 1907 are given on page 103 of bulletin 153. This brand of fertilizers for 1908 was practically all manufactured before this investigation took place and in consequence the Company arranged for the Experiment Station, at the Company's expense, to sample and analyze each car coming into the State, the Company agreeing to sell by the analysis. The goods were thus sampled and 43 samples were analyzed with the following results:

Nitrogen, lowest 2.37 per cent; highest 3.74; average 3.19; guaranty 3.29. Available phosphoric acid, lowest 4.79; highest 8.49; average 5.82; guaranty 6.00 per cent. Potash, lowest 7.21; highest 11.78; average 9.44; guaranty 10.00 per cent.

TWO VIOLATIONS OF THE LAW.

There are two matters concerning the labeling or marking of fertilizer packages to which especial attention is called. The first is apparently a matter of carelessness which might cause confusion and possibly injustice; the second seems to be a matter of attempting to avoid payment of analysis fees by means of a cleverly devised system of tags. While the company concerned may be within the letter of the law it seems to be entirely fair to both dealers and consumers to call attention to the case.

The first matter was brought forcibly to our attention the past season by the unusually large number of cases where the guaranteed percentages of fertilizer constituents named in the certificates sent to this office by the manufacturers did not agree with the guarantees marked on the bags of fertilizer which the inspector found in the open market. Such discrepancies are sometimes caused by changing the guaranty on a certain brand of fertilizer and then using up bags which are marked with the old guaranties. It would probably be much better to license a new brand than to change the guaranties on an old one long established. It would seem that a name once used in connection with a certain fertilizer made up according to a certain formula should stand for that same kind of goods with that same formula as long as the name is used in connection with any brand of fertilizer. Such changes in formula, however, do not cover the differences found in guaranties for the present season and probably office mistakes are accountable for a greater part.

The table on page 277 gives the more important differences observed concerning the samples collected the present season. Many of these differences it will be noted are on the total phosphoric acid which is, of course, not as important from the standpoint of the consumer as is the available, but the fact that the guarantees differ on the certificates and bags is as much a violation of both the spirit and the letter of the fertilizer law in one case as the other. In some cases bags were found properly marked in one locality, while at another place the same brand was found on which the marks differed from the certificates.

Table showing differences in guaranties upon packages and the certified analysis.

BRAND OF FERTILIZER.		Constituent which differs.	Guaranty on Certificate.	Mark on Package.
Crocker's	Ammoniated Corn Phosphate	*Total	9.00	10.00
"	New Rival Ammoniated Superphosphate	"	9.00	10.00
"	" " " "	Nitrogen	1.03	1.00
"	" " " "	"	1.03	1.03
"	" " " "	"	1.03	1.06
"	Potato, Hop and Tobacco	*Total	9.00	10.00
Great Eastern	General	"	9.00	10.00
"	Northern Corn Special	"	9.00	10.00
"	Potato Manure	"	9.00	10.00
Lazaretto	Aroostook Potato Guano	"	9.00	10.00
"	Corn Guano	"	9.00	10.00
"	Propeller Potato Guano	"	9.00	10.00
Packer's Union	Animal Corn Fertilizer	"	10.00	11.00
"	" " " "	Nitrogen	2.47	2.50
"	Gardner's Complete Manure	"	2.47	2.40
"	" " " "	*Total	8.00	7.00
"	Potato Manure	"	9.00	10.00
"	Universal Fertilizer	"	9.00	10.00
"	" " " "	Nitrogen	0.82	1.00
"	" " " "	"	0.82	0.82
Armour's	Complete Potato	Total	7.00	8.00
"	Bone, Blood and Potash	"	9.00	10.00
"	Fruit and Root Crop Special (1907 Goods)	"	9.00	10.00
"	Grain Grower (1907 Goods)	"	9.00	10.00
"	High Grade Potato	"	9.00	10.00
"	Wheat, Corn and Oats Special (1907 Goods)	"	8.00	9.00
Bowker's	Bone, Blood and Potash	"	9.00	8.00
"	Potash Bone	"	8.00	7.00
"	Potato and Vegetable Fertilizer	"	9.00	10.00
"	" " " "	"	9.00	9.00
"	Potato and Vegetable Phosphate	"	9.00	10.00
E. Frank Coe's	Famous Prize Brand Grass and Grain Fertilizer	*Available	10.00	10.50
"	High Grade Potato	Potash	6.00	8.00
"	" " " "	*Total	10.00	9.50
"	Red Brand Excelsior Guano	*Available	9.00	8.00
"	" " " "	"	9.00	9.00
Lister's	High Grade Special	*Total	10.00	9.00
"	" " " "	"	10.00	10.00
New England	High Grade Special	Nitrogen	3.69	3.50
Sagadahoc	Acid Phosphate	*Available	14.00	15.00
Dirigo	Fertilizer	"	4.00	6.00
"	" " " "	*Total	6.00	9.00
"	" " " "	Nitrogen	2.00	2.50
Sagadahoc	High Grade Superphosphate	"	1.85	1.50
"	Special Potato Fertilizer	*Available	7.00	6.00
"	" " " "	*Total	8.00	7.00
"	3-6-10 Fertilizer	Nitrogen	2.47	2.35
"	4-6-10	"	3.29	3.25
Swift's Lowell	Acid Phosphate	*Available	12.00	14.00
"	" " " "	*Total	13.00	15.00
"	Animal Brand	"	9.00	10.00
Tuscarora	Aroostook Special	"	8.00	9.00
"	Complete Potato	"	7.00	8.00
"	Trucker	"	9.00	10.00

* "Total" and "Available" in this column means total phosphoric acid and available phosphoric acid respectively.

The Bowker Fertilizer Company licensed for the present year, among other brands of fertilizer, five different brands of Stockbridge Manures, as follows: Stockbridge Manure A for Potatoes, etc., Formula 5-7-10. Stockbridge Special Complete Manure for Seeding Down, Permanent Dressing and Legumes, Formula 3-6-10. Stockbridge Special Complete Manure for Quick Growth and for Forcing, Formula 6-4-6. Stockbridge Special Complete Manure for Corn and all Grain Crops, etc., Formula 4-10-7. Stockbridge Special Complete Manure for Potatoes and Vegetables, etc., Formula 4-6-10.

By means of cleverly devised tags some of these brands, if not all, are sold for a variety of crops, and by means of this scheme the company is not only avoiding the payment of several analysis fees but also apparently is using these few brands to compete with two or three times that number of brands put out by other companies. For example, tags which are labeled "Stockbridge Special Complete Manure for Seeding Down, Permanent Dressing and Legumes" according to the brand given on the license certificate; but across the end of some of the tags, in the most prominent position and in larger type, are the words "Fruit and Shade Trees," followed by "Hardy Shrubs, etc.," in smaller letters, and preceded by the words "Directions for" in letters even smaller. In a similar manner there are other tags for this same brand which read "Directions for Strawberries & Small Fruits; Blackberries, Currents, etc.," as well as still other tags reading "Directions for Seeding Down." In the same way for the brand licensed as "Stockbridge Special Complete Manure for Quick Growth and for Forcing" there are at least three kinds of tags reading "Directions for Celery and Lettuce," "Directions for Cabbage and Cauliflower, etc.," and "Directions for Top Dressing Grass, etc."

These different tags would give almost any buyer the impression that he was getting a fertilizer designed especially for fruit and shade trees, or small fruits, or seeding down, or for cabbages, etc., and this impression would be all the more likely because of the fact that the formula is printed in small, inconspicuous type in connection with reading matter.

Below is a photographic reproduction of the printed matter on one of these tags.

It will be noted that this tag does not give the "number of net pounds in the package," "the name of the manufacturer or shipper," "the place of manufacture," or "the place of business" as required by law.

THE COMPARISON OF STATION ANALYSES FOR THREE YEARS.

It is important that the purchaser of fertilizers should know the analyses not merely for the current year but as a guide for future purchase to know how they have run for several years. The tables on page 280 and following of this bulletin, show how the samples collected by the Station inspector in 1908 compare with the guarantees. The tables beginning on page 297 give the analyses, so far as total nitrogen, available phosphoric acid and potash are concerned, for the years 1906, 1907 and 1908. When the guarantees have been changed from that of previous years, the fact is indicated by a foot note.

In studying the table of comparisons of the analyses of Station samples for three years, it will be found that many goods run quite uniform year after year. This is particularly true as regards phosphoric acid, and this is readily understood when it is remembered that the superphosphate is the starting point and that the materials furnishing nitrogen and potash are usually added to this. The potash and nitrogen are the more expensive substances in fertilizers and the more difficult to mix and hence greater variation is found in these constituents.

[Trade Mark Secured.]

[Patented January 25, 1876.]

STOCKBRIDGE SPECIAL COMPLETE MANURE For Quick Growth and for Forcing

This manure is particularly adapted for top dressing grass, also for ensilage corn, lettuce, asparagus, onions, also strawberries, etc.,—in short, for all juicy, succulent growth, and for forcing purposes in market gardens and elsewhere.

CELERY AND LETTUCE. There is no question that the application of commercial fertilizers can improve the quality of celery. Celery which grows slowly is tough, rusty, and strong in flavor. To be tender, crisp and nutty in flavor, and to bleach well, it should grow vigorously from beginning to end. If celery starts off well, but is allowed to hang back, it will then grow stringy and tough. The most tender and succulent growths are those which are most rapid. The Stockbridge Manure used for celery is prepared from chemicals, free from weed seeds and germs of disease or blight, and will produce a large crop of excellent quality, which will BLEACH WELL AND KEEP WELL.

It should be applied in three applications. 400 to 600 lbs. per acre to the seed bed when the seed is sown. Then apply 1000 to 1500 lbs. when the plants are transplanted or pricked out, sown broadcast along the trenches or furrows, before the plants are set out, and worked into the soil. Then, just before the celery is hanked up, apply 500 to 1000 lbs., so that it will be worked into the soil which is brought about the plants. If the bed where the seed is sown is rich from previous application of manure or fertilizer, then none need be applied at this time, but the object of making three applications is to feed the plant from start to finish.

FOR GLASS CULTURE. Apply from 1 to 2 pounds to each thirty square feet or two hot-bed sash, or from 3 to 6 pounds to each one hundred square feet, sown broadcast and worked into soil just before or just after the last transplanting, care being taken not to get it upon the roots or leaves of the plant.

FOR FIELD CULTURE. Apply just before the plants are transplanted, at the rate of 1500 to 2000 pounds per acre, sown broadcast, and worked into the soil.

ANALYSIS: 4.93 to 5.76% Nitrogen; Equal 6 to 7% Ammonia; 2 to 3% Soluble Phosphoric Acid; 2 to 3% Reverted Phosphoric Acid; 4 to 6% Available Phosphoric Acid; 2 to 3% Insoluble Phosphoric Acid; 6 to 9 % Total Phosphoric Acid; 6 to 7% Potash (K₂O).

CAUTION. Never drop it clear in contact with the seed, young roots or green leaves.

Tag Form 11.

DIRECTIONS FOR
CELERY AND LETTUCE

Descriptive List of Station Samples, 1908.

Station number.	Manufacturer, place of business and brand.
AMERICAN AGRICULTURAL CHEMICAL COMPANY, NEW YORK.	
1143	Aroostook Complete Manure.....
1188	Aroostook Complete Manure.....
1382	Aroostook Complete Manure.....
1503	Aroostook Complete Manure.....
1458	Aroostook High Grade.....
1461	Aroostook High Grade.....
1378	Northern Maine Potato Special.....
1438	Northern Maine Potato Special.....
1446	Northern Maine Potato Special.....
1479	Complete Manure with 10% Potash.....
1480	Grass and Lawn Top Dressing.....
1250	High Grade Fertilizer with 10% Potash.....
1390	High Grade Fertilizer with 10% Potash.....
1102	Bradley's Alkaline Bone with Potash.....
1189	Bradley's Alkaline Bone with Potash.....
1057	Bradley's Complete Manure for Potatoes and Vegetables.....
1249	Bradley's Complete Manure for Potatoes and Vegetables.....
1395	Bradley's Complete Manure for Potatoes and Vegetables.....
1055	Bradley's Complete Manure with 10% Potash.....
1380	Bradley's Complete Manure with 10% Potash.....
1101	Bradley's Corn Phosphate.....
1381	Bradley's Corn Phosphate.....
1098	Bradley's Eureka Fertilizer.....
1350	Bradley's Eureka Fertilizer.....
1085	Bradley's Niagara Phosphate.....
1320	Bradley's Niagara Phosphate.....
1103	Bradley's Potato Fertilizer.....
1383	Bradley's Potato Fertilizer.....
1106	Bradley's Potato Manure.....
1385	Bradley's Potato Manure.....
1071	Bradley's XL Superphosphate of Lime.....
1242	Bradley's XL Superphosphate of Lime.....
1081	Clark's Cove Bay State Fertilizer.....
1498	Clark's Cove Bay State Fertilizer.....
1202	Clark's Cove Bay State Fertilizer GG.....
1323	Clark's Cove Bay State Fertilizer GG.....
1219	Clark's Cove Bay State Fertilizer for Seeding Down.....
1234	Clark's Cove Defiance Complete Manure.....
1410	Clark's Cove Defiance Complete Manure.....
1125	Clark's Cove Great Planet Manure A. A. for Potatoes, etc.....
1366	Clark's Cove Great Planet Manure A. A. for Potatoes, etc.....
1090	Clark's Cove King Phillip Alkaline Guano for all Crops.....
1198	Clark's Cove King Phillip Alkaline Guano for all Crops.....
1084	Clark's Cove Potato Fertilizer.....
1218	Clark's Cove Potato Fertilizer.....
1080	Clark's Cove Potato Manure.....
1223	Clark's Cove Potato Manure.....

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acid.								Potash.	
	As Ammonia.	As Nitrates	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1143	0.08	1.44	3.22	2.47	3.41	2.21	2.79	5.62	6.00	8.40	7.00	9.15	10.00	
1188	0.13	0.31	2.74	2.47	4.32	2.13	2.84	6.44	6.00	9.28	7.00	9.29	10.00	
1382	0.12	0.56	2.64	2.74	4.29	2.86	2.33	7.15	6.00	9.48	7.00	9.09	10.00	
1503	0.18	0.50	2.82	2.47	4.11	3.49	1.68	7.60	6.00	9.28	7.00	9.40	10.00	
1458	0.36	1.78	4.24	4.12	4.61	2.20	2.18	6.81	7.00	8.99	8.00	6.81	7.00	
1461	0.36	1.74	4.04	4.12	5.01	1.75	2.45	6.76	7.00	9.21	8.00	6.80	7.00	
1378	0.06	1.76	3.94	3.70	4.59	3.66	1.30	8.25	7.00	9.55	9.00	10.51	10.00	
1438	0.06	1.46	3.88	3.70	4.48	2.29	2.49	6.77	7.00	9.26	9.00	9.79	10.00	
1446	0.06	1.50	3.90	3.70	4.56	2.21	2.86	6.77	7.00	9.63	9.00	9.15	10.00	
1479	0.04	1.46	3.40	3.30	5.47	1.84	1.58	7.31	6.00	8.89	7.00	10.14	10.00	
1430	.....	4.28	5.64	3.91	1.05	4.96	1.45	6.01	5.00	7.46	6.00	4.26	2.00
1250	0.14	0.76	2.38	2.40	3.95	2.22	2.55	6.17	6.00	8.72	7.00	11.46	10.00	
1390	0.06	1.24	2.46	2.40	5.05	2.19	1.56	7.24	6.00	8.80	7.00	9.58	10.00	
1102	.....	.....	.....	.....	5.34	4.20	4.13	9.54	11.00	13.67	12.00	1.91	2.00
1189	.....	.....	.....	.....	4.61	4.89	3.54	9.50	11.00	13.04	12.00	1.76	2.00
1057	1.27	.....	3.38	3.30	5.44	2.19	2.07	7.63	8.00	9.70	9.00	6.38	7.00
1249	0.74	0.44	3.36	3.30	5.72	2.42	2.08	8.14	8.00	10.22	9.00	7.44	7.00	
1395	0.68	0.92	3.49	3.30	6.07	2.29	2.21	8.36	8.00	10.57	9.00	6.65	7.00	
1055	.....	1.56	3.45	3.30	4.80	1.67	2.03	6.47	6.00	8.50	7.00	9.81	10.00
1380	0.06	1.08	3.58	3.30	1.74	3.32	4.25	5.06	6.00	9.31	7.00	9.72	10.00	
1101	0.14	0.96	2.16	2.06	4.26	3.53	3.45	7.79	8.00	11.24	10.00	1.99	1.50	
1391	0.12	0.70	2.22	2.06	5.02	2.89	2.50	7.91	8.00	10.41	10.00	1.74	1.50	
1098	.....	.....	1.07	1.03	4.93	3.48	3.66	8.41	8.00	12.07	10.00	2.22	2.00
1350	.....	.....	1.01	1.03	4.99	4.61	2.88	9.60	8.00	12.48	10.00	1.89	2.00
1085	.....	.....	1.10	0.82	4.75	1.95	3.88	6.70	7.00	10.58	8.00	2.16	1.00
1320	.....	.....	1.18	0.82	4.58	3.54	3.70	3.12	7.00	11.82	8.00	2.20	1.00
1103	0.14	0.88	2.30	2.06	1.21	6.00	4.03	7.21	8.00	11.24	10.00	2.81	3.00	
1383	0.06	0.90	2.06	2.06	5.02	2.55	2.97	7.57	8.00	10.54	10.00	3.25	3.00	
1106	0.38	1.10	2.80	2.50	4.22	2.56	2.27	6.78	6.00	9.05	8.00	5.29	5.00	
1386	0.10	0.90	2.90	2.50	2.87	3.44	3.27	6.31	6.00	9.58	8.00	6.00	5.00	
1071	0.16	0.63	2.58	2.50	5.23	3.49	2.52	8.72	9.00	11.24	11.00	2.17	2.00	
1242	0.08	1.06	2.82	2.50	5.83	2.57	3.25	8.40	9.00	11.65	11.00	2.27	2.00	
1081	.....	1.02	2.93	2.50	5.85	2.15	2.89	8.00	9.00	10.89	11.00	2.07	2.00
1498	0.10	0.96	2.86	2.50	6.82	3.09	2.49	9.91	9.00	12.40	11.00	2.05	2.00	
1202	0.06	0.47	1.93	2.06	6.20	2.27	2.08	8.47	8.00	10.55	10.00	1.71	1.50	
1323	0.06	0.93	2.10	2.06	3.73	3.65	4.10	7.38	8.00	11.48	10.00	1.87	1.50	
1219	.....	.....	1.30	1.03	5.20	3.33	2.37	8.53	8.00	10.90	10.00	1.91	2.00
1234	.....	.....	1.18	0.82	3.25	4.40	3.28	7.65	7.00	10.93	8.00	0.97	1.00
1410	.....	.....	1.12	0.82	4.83	3.38	3.71	9.21	7.00	11.92	8.00	1.96	1.00
1125	0.64	1.02	3.48	3.30	5.90	1.66	2.94	7.66	8.00	10.60	9.00	6.86	7.00	
1366	0.68	1.18	3.30	3.30	5.20	1.92	2.64	7.12	8.00	9.76	9.00	7.15	7.00	
1090	.....	.....	1.10	1.03	4.75	3.45	3.95	8.20	8.00	12.15	10.00	2.17	2.00
1198	0.12	.....	1.22	1.03	5.36	4.74	2.26	8.10	8.00	10.36	10.00	2.21	2.00
1084	0.04	1.00	2.19	2.06	3.43	5.43	3.80	8.86	8.00	12.66	10.00	3.20	3.00	
1218	0.09	0.77	2.11	2.05	5.26	2.71	2.55	7.97	8.00	10.52	10.00	3.24	3.00	
1080	0.08	1.32	3.04	2.50	3.40	3.01	3.65	6.41	6.00	10.06	8.00	5.14	5.00	
1223	0.08	0.98	2.76	2.50	5.36	2.10	1.93	7.46	6.00	9.39	8.00	5.26	5.00	

Descriptive List of Station Samples, 1908.

Station number.		
	Manufacturer, place of business and brand.	
1120	Cleveland	Fertilizer for all Crops.
1222	Cleveland	Fertilizer for all Crops.
1121	Cleveland	High Grade Complete Manure.
1367	Cleveland	High Grade Complete Manure.
1123	Cleveland	Potato Phosphate.
1228	Cleveland	Potato Phosphate.
1486	Cleveland	Seeding Down Fertilizer.
1221	Cleveland	Superphosphate.
1322	Cleveland	Superphosphate.
1301	Crocker's	Ammoniated Corn Phosphate.
1341	Crocker's	Ammoniated Corn Phosphate.
1088	Crocker's	Aroostook Potato Special.
1239	Crocker's	Aroostook Potato Special.
1104	Crocker's	Grass and Oats Fertilizer.
1197	Crocker's	Grass and Oats Fertilizer.
1227	Crocker's	High Grade.
1097	Crocker's	New Rival Ammoniated Superphosphate.
1237	Crocker's	New Rival Ammoniated Superphosphate.
1083	Crocker's	Potato, Hops & Tobacco Phosphate.
1339	Crocker's	Potato, Hops & Tobacco Phosphate.
1112	Crocker's	Special Potato Manure.
1241	Crocker's	Special Potato Manure.
1342	Crocker's	Special Potato Manure.
1124	Cumberland	Potato Fertilizer.
1203	Cumberland	Potato Fertilizer.
1478	Cumberland	Seeding Down Manure.
1110	Cumberland	Superphosphate.
1205	Cumberland	Superphosphate.
1056	Darling's	Blood, Bone and Potash.
1153	Great Eastern	General Fertilizer.
1230	Great Eastern	General Fertilizer.
1140	Great Eastern	Grass and Oats Fertilizer.
1235	Great Eastern	Grass and Oats Fertilizer.
1347	Great Eastern	Grass and Oats Fertilizer.
1141	Great Eastern	High Grade Potato Manure.
1225	Great Eastern	High Grade Potato Manure.
1138	Great Eastern	Northern Corn Special.
1212	Great Eastern	Northern Corn Special.
1139	Great Eastern	Potato Manure.
1385	Great Eastern	Potato Manure.
1433	Great Eastern	Potato Special.
1155	Lazaretto	Aroostook Potato Guano.
1358	Lazaretto	Aroostook Potato Guano.
1359	Lazaretto	Corn Guano.
1154	Lazaretto	High Grade Potato Guano.
1448	Lazaretto	High Grade Potato Guano.
1094	Lazaretto	Propeller Potato Guano.
1334	Lazaretto	Propeller Potato Guano.

Analysis of Station Samples, 1908.

Station number.	Nitrogen				Phosphoric Acid								Potash.	
	As Ammonia.	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.					
1120	0.11	0.45	1.58	1.03	5.10	2.69	2.63	7.79	8.00	10.42	10.00	2.22	2.00	
1222	0.05	0.31	1.28	1.03	4.89	3.65	2.12	8.54	8.00	10.66	10.00	2.07	2.00	
1121	1.30	0.36	3.58	3.30	6.55	1.34	2.23	7.89	8.00	10.12	9.00	6.40	7.00	
1367	0.86	1.06	3.06	3.30	4.45	2.44	2.83	7.39	8.00	10.22	9.00	7.13	7.00	
1123	0.10	0.92	2.28	2.06	5.07	2.29	2.23	7.36	8.00	9.59	10.00	3.29	3.00	
1228	0.14	0.65	2.16	2.06	5.16	3.03	2.65	8.19	8.00	10.84	10.00	3.45	3.00	
1456	0.13	.....	1.66	1.03	5.29	3.05	2.36	8.34	8.00	10.70	10.00	1.94	2.00
1221	0.06	0.58	2.09	2.06	3.98	4.46	3.24	8.44	8.00	11.68	10.00	2.13	1.50	
1322	0.06	1.00	2.12	2.06	4.10	3.44	4.07	7.54	8.00	11.61	10.00	1.59	1.50	
1301	0.06	0.56	2.02	2.06	6.46	2.24	1.96	8.70	8.00	10.66	9.00	1.73	1.50	
1341	0.10	0.72	2.24	2.06	5.05	2.46	2.80	7.51	8.00	10.31	9.00	1.79	1.50	
1088	0.08	0.86	2.07	2.06	5.13	1.82	2.32	7.05	8.00	9.37	10.00	6.16	6.00	
1239	0.10	0.58	1.98	2.06	4.54	3.75	1.80	8.29	8.00	10.09	10.00	6.11	6.00	
1104	.....	.....	.....	.....	4.06	5.27	4.67	9.33	11.00	14.00	12.00	2.07	2.00
1197	.....	.....	.....	.....	3.97	6.26	2.23	10.23	11.00	12.46	12.00	2.14	2.00
1227	0.82	0.88	3.27	3.30	5.61	2.67	2.19	8.28	8.00	10.47	9.00	6.89	7.00	
1097	.....	.....	1.12	1.03	5.15	3.40	3.85	8.55	8.00	12.40	9.00	2.07	2.00
1237	0.06	0.40	1.28	1.03	3.09	3.66	2.41	8.75	8.00	11.16	9.00	2.00	2.00	
1086	0.04	0.84	2.12	2.06	4.73	2.83	2.63	7.56	8.00	10.19	9.00	3.22	3.00	
1339	0.10	0.85	2.23	2.06	5.28	2.79	2.35	8.07	8.00	10.42	9.00	3.07	3.00	
1112	0.06	1.72	3.76	3.30	4.48	0.95	3.51	5.43	6.00	8.94	7.00	9.03	10.00	
1241	0.76	0.86	3.26	3.30	5.71	0.94	2.77	6.65	6.00	9.42	7.00	9.25	10.00	
1342	0.06	0.92	3.30	3.30	2.38	3.32	3.21	5.70	6.00	8.91	7.00	9.78	10.00	
1124	0.16	0.88	2.15	2.06	5.42	2.16	2.69	7.58	8.00	10.27	10.00	3.27	3.00	
1206	0.10	0.66	2.08	2.06	5.98	1.78	2.27	7.76	8.00	10.03	10.00	3.19	3.00	
1478	0.09	.....	1.61	1.00	5.47	3.13	2.26	8.60	8.00	10.86	10.00	1.99	2.00
1110	0.14	0.68	2.18	2.06	4.69	3.02	2.19	7.71	8.00	9.90	10.00	1.60	1.50	
1205	0.06	0.48	1.90	2.06	6.33	2.00	2.01	8.33	8.00	10.34	10.00	1.72	1.50	
1056	0.42	1.44	4.20	4.10	5.26	1.47	2.69	6.73	7.00	9.42	8.00	7.17	7.00	
1156	0.10	.....	1.04	0.82	3.94	3.59	2.11	7.53	8.00	9.64	9.00	3.60	4.00
1230	0.08	.....	1.44	0.82	3.78	3.14	2.98	6.92	8.00	9.90	9.00	5.43	4.00
1140	.....	.....	.....	.....	5.47	4.05	4.00	9.52	11.00	13.52	12.00	1.84	2.00
1235	.....	.....	.....	.....	4.97	4.52	3.28	9.49	11.00	12.77	12.00	1.43	2.00
1347	.....	.....	.....	.....	3.89	5.42	4.40	9.31	11.00	13.71	12.00	2.12	2.00
1141	0.08	0.94	3.26	3.30	1.80	3.79	4.17	5.59	6.00	9.76	7.00	9.84	10.00	
1225	0.16	1.17	3.41	3.30	5.04	2.01	2.12	7.05	6.00	9.17	7.00	11.60	10.00	
1138	0.12	0.74	2.14	2.06	4.48	3.03	2.93	7.51	8.00	10.44	9.00	1.85	1.50	
1212	0.05	0.52	1.94	2.06	6.07	2.14	2.26	8.21	8.00	10.47	9.00	1.69	1.50	
1139	0.14	0.88	2.13	2.06	4.99	2.60	2.64	7.59	8.00	10.25	9.00	3.24	3.00	
1385	0.03	0.90	2.08	2.06	4.77	2.63	3.38	7.40	8.00	10.78	9.00	3.25	3.00	
1433	1.10	0.10	3.32	3.30	4.81	2.82	1.93	7.63	8.00	9.56	9.00	7.24	7.00	
1155	0.09	.....	1.04	0.82	3.81	3.52	2.22	7.33	8.00	9.55	9.00	3.66	4.00
1358	0.06	0.32	1.52	0.82	3.92	3.21	2.88	7.13	8.00	10.01	9.00	4.81	4.00	
1359	0.14	0.48	1.88	1.65	4.38	2.62	2.66	7.00	8.00	9.66	9.00	2.19	2.00	
1154	0.06	1.28	3.32	3.30	2.89	2.79	2.91	5.68	6.00	8.59	7.00	9.80	10.00	
1448	0.08	1.60	3.46	3.30	4.42	1.79	2.22	6.21	6.00	8.43	7.00	9.69	10.00	
1091	0.10	0.86	2.16	2.06	4.59	4.13	2.50	8.72	8.00	11.22	9.00	5.91	6.00	
1364	0.02	1.14	2.69	2.06	6.15	1.91	2.35	8.06	8.00	10.41	9.00	5.72	6.00	

Descriptive List of Station Samples, 1908.

Station number.	Manufacturer, place of business and brand.
1467	Muriate of Potash.....
1465	Nitrate of Soda.....
1488	Otis Potato Fertilizer.....
1487	Otis Superphosphate.....
1115	Pacific Dissolved Bone and Potash.....
1353	Pacific Dissolved Bone and Potash.....
1117	Pacific Grass and Grain Fertilizer.....
1199	Pacific Grass and Grain Fertilizer.....
1109	Pacific High Grade General Fertilizer.....
1114	Pacific Nobisque Guano for all Crops.....
1338	Pacific Nobisque Guano for all Crops.....
1126	Pacific Potato Special.....
1324	Pacific Potato Special.....
1082	Packer's Union Animal Corn Fertilizer.....
1200	Packer's Union Animal Corn Fertilizer.....
1394	Packer's Union Economical Vegetable Guano.....
1083	Packer's Union Gardeners Complete Manure.....
1226	Packer's Union Gardeners Complete Manure.....
1379	Packer's Union Gardeners Complete Manure.....
1462	Packer's Union High Grade.....
1463	Packer's Union High Grade.....
1093	Packer's Union Potato Manure.....
1229	Packer's Union Potato Manure.....
1105	Packer's Union Universal Fertilizer.....
1220	Packer's Union Universal Fertilizer.....
1116	Packer's Union Wheat, Oats and Clover Fertilizer.....
1346	Packer's Union Wheat, Oats and Clover Fertilizer.....
1466	Plain Superphosphate.....
1411	Quinnipiac Climax Phosphate for all Crops.....
1190	Quinnipiac Corn Manure.....
1363	Quinnipiac Corn Manure.....
1252	Quinnipiac Market Garden Manure.....
1360	Quinnipiac Market Garden Manure.....
1193	Quinnipiac Mohawk Fertilizer.....
1253	Quinnipiac Potato Manure.....
1214	Quinnipiac Potato Phosphate.....
1318	Quinnipiac Potato Phosphate.....
1079	Read's Farmers Friend Superphosphate.....
1232	Read's Farmers Friend Superphosphate.....
1178	Read's High Grade Farmers Friend Superphosphate.....
1231	Read's High Grade Farmers Friend Superphosphate.....
1100	Read's Potato Manure.....
1396	Read's Potato Manure.....
1091	Read's Practical Potato Special Fertilizer.....
1204	Read's Practical Potato Special Fertilizer.....
1128	Read's Standard Superphosphate.....
1203	Read's Standard Superphosphate.....
1321	Read's Standard Superphosphate.....

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acid.								Potash.	
	As Ammonia.	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1467			15.64	15.00								49.60	50.00	
1465														
1488	0.11	0.85	1.99	2.06	5.55	2.79	2.08	8.34	8.00	10.42	10.00	3.13	3.00	
1487	0.16	0.94	2.34	2.06	4.86	2.72	2.61	7.58	8.00	10.19	10.00	1.74	1.50	
1115					6.61	3.03	2.52	9.64	10.00	12.16	11.00	1.83	2.00	
1353					3.84	6.37	3.67	10.21	10.00	13.88	11.00	2.09	2.00	
1117	0.14	0.64	1.55	0.82	4.96	2.42	2.65	7.38	7.00	10.03	8.00	2.30	1.00	
1199	.05		1.22	0.82	4.43	3.35	3.28	7.78	7.00	11.06	8.00	1.12	1.00	
1109	0.66	0.95	3.41	3.30	5.90	2.15	2.60	8.05	8.00	10.65	9.00	7.20	7.00	
1114	0.14	0.58	1.64	1.03	5.10	3.89	1.64	8.99	8.00	10.63	10.00	2.12	2.00	
1338	0.08	0.42	1.32	1.03	5.44	2.92	2.03	8.36	8.00	10.39	10.00	2.00	2.00	
1126	0.10	0.92	2.21	2.06	5.61	2.50	2.01	8.11	8.00	10.12	10.00	3.21	3.00	
1324	0.04	0.88	2.12	2.06	5.39	4.50	1.98	7.89	8.00	9.87	10.00	3.17	3.00	
1082	0.06	0.92	2.92	2.47	5.20	2.99	2.65	8.19	9.00	10.84	10.00	2.07	2.00	
1200	0.14	0.68	2.58	2.47	7.52	1.03	2.77	8.55	9.00	11.32	10.00	2.53	2.00	
1394	0.09	0.31	2.14	1.25	5.82	1.00	2.49	7.81	6.00	10.30	7.00	4.15	3.00	
1083	0.04	1.30	2.76	2.47	4.86	1.88	1.98	6.74	6.00	8.72	8.00	9.58	10.00	
1226	0.16	0.70	2.65	2.47	4.42	2.34	2.80	6.76	6.00	9.56	8.00	9.32	10.00	
1379	0.12	0.56	2.50	2.47	3.95	2.17	2.91	6.12	6.00	9.03	8.00	9.58	10.00	
1462	0.13	1.59	3.45	3.30	6.04	1.88	1.80	7.92	8.00	9.72	9.00	6.40	7.00	
1463	0.12	1.44	3.43	3.30	6.41	1.85	1.67	8.26	8.00	9.93	9.00	6.23	7.00	
1093	0.10	0.88	2.56	2.06	4.02	2.98	2.44	7.00	8.00	9.44	9.00	6.23	6.00	
1229	0.06	0.58	2.01	2.06	4.49	3.01	2.56	7.50	8.00	10.06	9.00	6.30	6.00	
1105	.06		1.01	0.82	3.44	3.12	3.63	6.56	8.00	10.19	9.00	3.40	4.00	
1220	0.13		1.50	0.82	3.97	2.74	3.25	6.71	8.00	9.96	9.00	5.41	4.00	
1116					4.30	5.11	4.04	9.41	11.00	13.45	12.00	1.95	2.00	
1346					6.53	3.40	2.50	9.93	11.00	12.43	12.00	1.79	2.00	
1466					11.16	3.56	1.62	14.72	14.00	16.34				
1411			1.10	1.03	4.93	3.14	3.79	8.07	8.00	11.86	10.00	2.09	2.00	
1190	0.10	0.72	2.34	2.06	3.55	4.11	3.26	7.66	8.00	10.92	10.00	1.92	1.50	
1363	0.05	1.05	2.06	2.06	3.91	3.55	3.79	7.56	8.00	11.35	10.00	2.23	1.50	
1252	0.48	0.98	3.33	3.30	5.69	2.24	2.11	7.93	8.00	10.04	9.00	7.24	7.00	
1360	0.88	1.00	3.16	3.30	5.20	2.38	2.75	7.58	8.00	10.33	9.00	7.01	7.00	
1193			1.16	0.82	2.81	4.73	3.28	7.54	7.00	10.82	8.00	1.12	1.00	
1253	0.78	0.52	2.66	2.50	5.58	2.47	2.49	8.05	6.00	10.54	8.00	5.34	5.00	
1214	0.12	0.58	2.10	2.06	4.49	3.34	2.87	7.83	8.00	10.70	10.00	3.22	3.00	
1318	0.10	0.91	2.28	2.06	5.42	2.60	1.93	8.02	8.00	9.95	10.00	3.41	3.00	
1079	0.08	0.98	2.22	2.06	3.51	4.00	3.76	7.51	8.00	11.27	10.00	3.06	3.00	
1232	0.08	0.74	2.02	2.06	5.52	2.20	2.37	7.83	8.00	10.19	10.00	3.12	3.00	
1178	0.06	0.62	3.28	3.30	4.53	1.88	2.04	6.41	6.00	8.45	7.00	8.42	10.00	
1231	0.08	1.46	3.46	3.30	4.05	3.08	2.35	7.13	6.00	9.48	7.00	8.83	10.00	
1100	0.16	1.24	2.62	2.40	4.93	2.67	1.82	6.60	6.00	8.42	7.00	9.59	10.00	
1396	0.12	0.61	2.50	2.40	3.92	2.57	2.72	6.49	6.00	9.21	7.00	9.32	10.00	
1091	0.07		1.03	0.82	3.91	3.05	2.24	6.96	4.00	9.20	5.00	8.46	8.00	
1204	0.06		1.32	0.82	5.10	1.95	2.58	7.05	4.00	9.63	5.00	8.11	8.00	
1128	0.34		0.95	0.82	3.97	3.16	2.64	7.13	8.00	9.77	10.00	3.37	4.00	
1203	0.06		1.35	0.82	4.53	2.81	2.91	7.34	8.00	10.25	10.00	5.21	4.00	
1321	0.04		1.36	0.82	3.57	4.33	2.72	7.90	8.00	10.62	10.00	4.00	4.00	

Descriptive List of Station Samples, 1908.

Station number.	Manufacturer, place of business and brand.
1089	Read's Sure Catch Fertilizer.....
1196	Read's Sure Catch Fertilizer.....
1092	Read's Vegetable & Vine Fertilizer.....
1384	Read's Vegetable & Vine Fertilizer.....
1113	Soluble Pacific Guano.....
1325	Soluble Pacific Guano.....
1127	Standard A Brand.....
1357	Standard A Brand.....
1119	Standard Bone and Potash.....
1187	Standard Bone and Potash.....
1355	Standard Bone and Potash.....
1122	Standard Complete Manure.....
1377	Standard Complete Manure.....
1107	Standard Fertilizer.....
1209	Standard Fertilizer.....
1216	Standard Guano for all Crops.....
1319	Standard Guano for all Crops.....
1118	Standard Special for Potatoes.....
1211	Standard Special for Potatoes.....
1246	Williams & Clark's Americus Ammoniated Bone Superphosphate.....
1243	Williams & Clark's Americus Corn Phosphate.....
1491	Williams & Clark's Americus Corn Phosphate.....
1247	Williams & Clark's High Grade Special for Potatoes, etc.....
1244	Williams & Clark's Americus Potato Manure.....
1194	Williams & Clark's Royal Bone Phosphate for all Crops.....
ARMOUR FERTILIZER WORKS, BALTIMORE, MARYLAND.	
1288	Armour's Fertilizer All Soluble.....
1050	Armour's Complete Potato.....
1286	Armour's Complete Potato.....
1051	Blood, Bone and Potash.....
1460	Blood, Bone and Potash.....
1285	Armour's Fruit & Root Crop Special.....
1489	Armour's Grain Grower.....
1049	Armour's High Grade Potato.....
1289	Armour's High Grade Potato.....
1287	Wheat, Corn & Oats Special.....
BOWKER FERTILIZER CO., BOSTON, MASS.	
1073	Bowker's Bone, Blood and Potash.....
1409	Bowker's Bone, Blood and Potash.....
1074	Bowker's Square Brand Bone and Potash.....
1261	Bowker's Square Brand Bone and Potash.....
1061	Bowker's Complete Manure for Potatoes.....
1456	Bowker's Complete Manure for Potatoes.....
1133	Bowker's Corn Phosphate.....
1267	Bowker's Corn Phosphate.....
1135	Bowker's Early Potato Manure.....
1400	Bowker's Early Potato Manure.....
1455	Bowker's Early Potato Manure.....

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acid.								Potash.	
	As Ammonia.	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1089					5.13	4.37	4.00	9.50	10.00	13.50	11.00	1.82	2.00	
1196					3.51	6.58	2.49	10.09	10.00	12.58	11.00	1.85	2.00	
1092	0.04	1.00	2.14	2.06	3.68	3.55	3.47	7.23	8.00	10.70	10.00	5.16	6.00	
1384	0.04	0.66	2.06	2.06	5.66	2.02	8.32	7.68	8.00	10.00	10.00	5.06	6.00	
1113	0.16	0.68	2.28	2.06	4.96	2.45	2.52	7.41	8.00	9.93	10.00	1.88	1.50	
1325	0.06	0.97	2.15	2.06	3.94	3.36	4.10	7.50	8.00	11.40	10.00	2.02	1.50	
1127	0.14	0.46	1.66	0.82	4.77	3.25	3.10	8.02	7.00	11.12	8.00	1.92	1.00	
1357	.06		1.16	0.82	4.24	4.17	3.45	8.41	7.00	11.36	8.00	1.98	1.00	
1119					6.68	2.82	2.47	9.50	10.00	11.97	11.00	1.81	2.00	
1187					2.98	7.20	2.49	10.18	10.00	12.67	11.00	2.07	2.00	
1355					3.95	5.67	4.58	9.62	10.00	14.20	11.00	2.29	2.00	
1122	1.24	0.62	3.64	3.30	6.23	1.86	2.22	8.09	8.00	10.31	9.00	7.05	7.00	
1377	0.51	0.93	3.37	3.30	5.63	2.48	2.38	8.11	8.00	10.49	9.00	6.85	7.00	
1107	0.20	0.64	2.30	2.06	5.58	2.43	2.27	8.01	8.00	10.28	10.00	1.93	1.50	
1209	0.08	0.48	1.91	2.06	4.67	3.86	1.99	8.53	8.00	10.52	10.00	1.73	1.50	
1216	0.12		1.28	1.03	5.01	3.22	2.36	8.24	8.00	10.60	10.00	1.96	2.00	
1319	0.05		1.18	1.03	4.61	3.45	3.57	8.06	8.00	11.63	10.00	2.02	2.00	
1118	0.16	0.86	2.18	2.06	5.31	2.44	2.47	7.75	8.00	10.22	10.00	3.28	3.00	
1211	0.10	0.68	1.99	2.06	5.75	2.04	2.36	7.79	8.00	10.15	10.00	3.13	3.00	
1246	0.10	1.06	2.84	2.50	5.53	2.68	3.33	8.24	9.00	11.57	11.00	2.18	2.00	
1243	0.10	0.69	2.16	2.06	3.67	4.27	3.15	7.94	8.00	11.09	10.00	2.15	1.50	
1491	0.10	0.51	1.85	2.06	6.31	2.61	2.22	8.92	8.00	11.14	10.00	2.57	1.50	
1247	0.71	0.95	3.38	3.30	5.99	2.30	2.58	8.29	8.00	10.87	9.00	7.43	7.00	
1244	0.10	0.58	2.14	2.06	4.72	3.37	2.80	8.09	8.00	10.89	10.00	3.34	3.00	
1194	0.08	0.40	1.33	1.03	4.89	3.34	2.56	8.23	8.00	10.79	10.00	2.00	2.00	
1288	0.04	1.90	3.02	2.89	7.00	1.61	0.33	8.61	8.00	8.94	9.00	4.15	4.00	
1050		1.86	3.56	3.30	4.69	2.05	0.57	6.74	6.00	7.31	7.00	10.14	10.00	
1286	0.06	1.90	3.35	3.30	4.14	2.49	0.70	6.63	6.00	7.33	7.00	9.94	10.00	
1051	0.06	1.92	4.18	4.11	5.20	3.45	0.98	8.65	8.00	9.63	9.00	9.19	7.00	
1460	0.04	3.44	5.02	4.11	7.01	0.79	0.54	7.30	8.00	8.34	9.00	7.13	7.00	
1285	0.04	0.68	2.29	1.65	7.36	1.87	0.41	9.23	8.00	9.64	9.00	5.08	5.00	
1489	0.04	1.28	2.09	1.65	6.39	2.43	0.60	8.82	8.00	9.42	9.00	3.69	2.00	
1049		0.62	2.08	1.65	5.04	2.28	0.98	7.52	8.00	8.10	9.00	10.88	10.00	
1259	0.02	0.50	1.90	1.65	3.57	3.48	1.28	6.99	8.00	8.27	9.00	11.84	10.00	
1287			0.88	0.82	5.04	2.43	1.33	7.47	7.00	8.80	8.00	1.94	1.00	
1073	0.76	1.04	3.66	4.10	3.01	3.64	3.19	6.65	7.00	9.64	9.00	7.04	7.00	
1409	1.10	0.46	4.50	4.10	5.47	1.51	1.99	6.98	7.00	8.97	9.00	6.96	7.00	
1074	0.04	0.90	1.98	1.65	4.85	0.89	5.37	5.74	6.00	11.11	7.00	2.12	2.00	
1261	0.06	0.67	1.84	1.65	1.13	4.64	4.08	5.77	6.00	9.85	7.00	2.02	2.00	
1061	0.06	1.72	3.45	3.29	4.40	1.27	2.46	5.67	6.00	8.13	7.00	10.41	10.00	
1456	1.65		3.78	3.29	4.77	1.90	2.00	6.67	6.00	8.67	7.00	9.22	10.00	
1133	0.16	0.50	1.94	1.65	4.56	2.31	2.65	6.87	8.00	9.52	9.00	2.21	2.00	
1267	0.12	0.44	1.84	1.65	4.11	2.63	2.49	6.74	8.00	9.23	9.00	2.04	2.00	
1135	1.28	0.40	3.61	3.30	6.33	1.65	2.38	7.98	8.00	10.36	9.00	6.61	7.00	
1400	1.24	0.42	3.41	3.29	5.74	2.09	2.32	7.83	8.00	10.15	9.00	6.41	7.00	
1455	1.16	0.34	3.43	3.29	5.07	2.81	2.07	7.88	8.00	9.95	9.00	6.55	7.00	

Descriptive List of Station Samples, 1908.

Station number.	Manufacturer, place of business and brand.
1077	Bowker's Farm and Garden Phosphate.....
1263	Bowker's Farm & Garden Phosphate.....
1259	Bowker's Fresh Ground Bone.....
1254	Bowker's Hill and Drill Phosphate.....
1405	Bowker's Hill and Drill Phosphate.....
1054	Bowker's Market Garden.....
1069	Bowker's Market Garden Fertilizer.....
1401	Bowker's Market Garden Fertilizer.....
1108	Bowker's Potash Bone.....
1403	Bowker's Potash Bone.....
1137	Bowker's Potash or Staple Phosphate.....
1258	Bowker's Potash or Staple Phosphate.....
1052	Bowker's Potato and Vegetable Fertilizer.....
1264	Bowker's Potato and Vegetable Fertilizer.....
1398	Bowker's Potato and Vegetable Fertilizer.....
1134	Bowker's Potato and Vegetable Phosphate.....
1266	Bowker's Potato and Vegetable Phosphate.....
1158	Bowker's 6% Potato Fertilizer.....
1179	Bowker's Superphosphate of Potash.....
1497	Bowker's Superphosphate of Potash.....
1136	Bowker's Sure Crop Bone Phosphate.....
1402	Bowker's Sure Crop Bone Phosphate.....
1181	Bowker's Ten Per Cent Manure.....
1422	Bowker's Ten Per Cent Manure.....
1421	Monticello Grange Chemicals.....
1180	Stockbridge's A Special Manure for Potatoes, etc.....
1457	Stockbridge's A Special Manure for Potatoes, etc.....
1063	Stockbridge's Special Complete Manure for Corn and all Grain Crops.....
1265	Stockbridge's Special Complete Manure for Corn and all Grain Crops.....
1062	Stockbridge's Special Complete Manure for Potatoes, Vegetables, etc.....
1262	Stockbridge's Special Complete Manure for Potatoes, Vegetables, etc.....
1397	Stockbridge's Special Complete Manure for Potatoes, Vegetables, etc.....
1256	Stockbridge's Special Complete Manure for Quick Growth and Forcing.....
1145	Stockbridge's Special Complete Manure for Permanent Dressing, Seeding Down, etc.....
1257	Stockbridge's Special Complete Manure for Permanent Dressing, Seeding Down, etc.....
COE-MORTIMER CO., NEW YORK.	
1148	E. Frank Coe's Celebrated Special Potato Fertilizer.....
1269	E. Frank Coe's Celebrated Special Potato Fertilizer.....
1147	E. Frank Coe's Columbian Corn Fertilizer.....
1273	E. Frank Coe's Columbian Corn Fertilizer.....
1368	E. Frank Coe's Columbian Corn Fertilizer.....
1146	E. Frank Coe's Columbian Potato Fertilizer.....
1371	E. Frank Coe's Columbian Potato Fertilizer.....
1067	E. Frank Coe's Double Strength Potato Manure.....
1317	E. Frank Coe's Double Strength Potato Manure.....
1076	E. Frank Coe's Excelsior Potato Fertilizer.....
1272	E. Frank Coe's Excelsior Potato Fertilizer.....
1370	E. Frank Coe's Excelsior Potato Fertilizer.....

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acid.						Potashi		
	As Ammonia.	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.		
1077	0.14	0.56	1.96	1.65	4.32	2.91	2.68	7.23	8.00	9.91	9.00	2.30	2.00
1263	0.12	0.34	1.97	1.65	5.02	2.28	2.63	7.30	8.00	9.93	9.00	2.07	2.00
1259	.....	.....	2.82	2.47	.....	.....	.....	.....	.....	22.60	22.80	.....	.....
1254	0.08	1.04	2.76	2.47	6.25	2.43	3.00	8.68	9.00	11.68	10.00	2.38	2.00
1405	0.08	0.78	2.79	2.47	6.14	2.12	2.66	8.26	9.00	10.92	10.00	2.12	2.00
1054	0.02	0.86	2.50	2.47	1.66	4.17	2.11	5.83	6.00	7.94	7.00	10.56	10.00
1069	0.08	1.26	2.68	2.47	4.91	2.23	1.66	7.14	6.00	8.80	7.00	9.64	10.00
1401	0.12	0.90	2.44	2.47	5.04	2.25	1.48	7.29	6.00	8.77	7.00	9.25	10.00
1108	0.14	0.32	1.54	0.82	4.27	2.89	2.93	7.16	6.00	10.09	8.00	2.00	2.00
1403	.05	.....	0.96	0.82	5.01	3.49	3.79	8.50	6.00	12.29	8.00	2.13	2.00
1137	0.12	0.26	1.41	0.82	4.77	2.81	3.79	7.58	8.00	11.37	9.00	3.19	3.00
1258	0.12	.....	1.17	0.82	5.01	3.19	2.38	8.20	8.00	10.58	9.00	3.14	3.00
1052	0.12	0.50	2.98	2.47	3.98	2.91	3.23	6.89	8.00	10.15	9.00	4.48	4.00
1264	0.12	0.89	2.62	2.47	5.96	2.16	2.83	8.12	8.00	10.95	9.00	4.83	4.00
1398	0.04	0.88	2.82	2.47	5.79	3.22	2.56	9.01	8.00	11.57	9.00	3.81	4.00
1134	0.12	0.56	1.76	1.65	4.61	2.21	2.55	6.82	8.00	9.47	9.00	2.10	2.00
1266	0.08	0.56	1.91	1.65	4.57	2.67	2.93	7.34	8.00	10.17	9.00	2.10	2.00
1158	0.08	0.32	1.31	0.82	2.50	4.21	2.98	6.71	6.00	9.69	7.00	6.73	6.00
1179	.....	.....	.....	.....	4.06	6.55	2.36	10.61	10.00	12.97	11.00	1.98	2.00
1497	.....	.....	.....	.....	3.08	7.06	2.72	10.14	10.00	12.86	11.00	1.96	2.00
1136	0.23	.....	1.18	0.82	4.81	2.63	2.41	7.44	8.00	9.85	9.00	1.87	2.00
1402	0.04	.....	1.04	0.82	4.69	3.77	3.81	8.46	8.00	12.27	9.00	2.18	2.00
1181	0.08	0.38	1.45	0.82	2.65	3.36	3.58	6.01	5.00	9.59	6.00	10.18	10.00
1422	0.06	0.18	1.38	0.82	2.23	3.65	2.47	5.88	5.00	8.35	6.00	9.72	10.00
1421	0.15	.....	2.84	2.47	2.53	5.22	2.74	7.75	8.00	10.49	9.00	3.97	4.00
1180	0.04	1.90	4.12	4.11	4.86	2.14	1.48	7.00	7.00	8.48	8.00	10.18	10.00
1457	1.52	.....	4.44	4.11	5.02	1.91	1.49	6.93	7.00	8.42	8.00	9.68	10.00
1063	0.10	1.96	4.08	3.29	4.42	5.03	0.31	9.45	10.00	9.76	11.00	7.76	7.00
1265	0.06	1.40	3.48	3.29	7.17	2.17	0.99	9.34	10.00	10.33	11.00	7.14	7.00
1062	0.18	1.26	3.20	3.29	1.87	5.24	1.66	7.11	6.00	8.77	7.00	9.17	10.00
1262	0.08	0.94	3.30	3.29	5.37	1.63	1.91	7.00	6.00	8.91	7.00	8.96	10.00
1397	0.08	0.90	3.42	3.29	1.80	4.08	3.38	5.88	6.00	9.26	7.00	10.39	10.00
1256	0.76	1.58	4.68	4.93	2.90	2.28	2.61	5.18	4.00	7.79	6.00	6.97	6.00
1145	0.12	1.08	2.55	2.47	4.65	1.71	1.94	6.36	6.00	8.30	9.00	9.55	10.00
1257	0.16	0.46	2.74	2.47	4.30	2.12	2.78	6.42	6.00	9.20	9.00	9.54	10.00
1148	0.63	.....	1.72	1.65	3.59	4.47	1.82	8.06	8.00	9.88	10.00	3.66	4.00
1269	0.16	.....	1.95	1.65	3.28	4.55	2.72	7.83	8.00	10.55	10.00	4.35	4.00
1147	0.37	.....	1.52	1.23	2.26	5.02	2.33	7.28	8.50	9.61	10.50	2.38	2.50
1273	0.12	.....	1.66	1.23	4.48	5.20	1.99	9.68	8.50	11.67	10.50	2.05	2.50
1368	0.13	.....	1.54	1.23	4.38	4.96	2.07	9.34	8.50	11.41	10.50	2.50	2.50
1146	0.35	.....	1.83	1.23	2.53	4.91	2.09	7.44	8.50	9.53	10.50	2.61	2.50
1371	.35	.....	1.52	1.23	3.03	5.25	1.76	8.38	8.50	10.14	10.50	2.61	2.50
1067	2.21	.....	3.52	3.70	2.97	5.08	1.78	8.05	7.00	9.83	8.50	11.36	10.00
1317	1.14	.....	3.90	3.70	4.47	3.74	0.85	8.21	7.00	9.06	8.50	10.84	10.00
1076	0.53	.....	2.34	2.47	5.72	2.60	1.82	8.32	7.00	10.14	9.00	7.06	8.00
1272	0.15	.....	2.48	2.47	4.02	4.02	1.38	8.14	7.00	9.52	9.00	6.20	8.00
1370	0.91	.....	2.84	2.47	3.49	4.40	1.91	7.89	7.00	9.80	9.00	7.02	8.00

Descriptive List of Station Samples, 1908.

Station number.	
	Manufacturer, place of business and brand.
1144	E. Frank Coe's Famous Prize Brand Grain and Grass Fertilizer.....
1376	E. Frank Coe's Famous Prize Brand Grass and Grain Fertilizer.....
1064	E. Frank Coe's High Grade Ammoniated Bone Superphosphate for all Crops.....
1270	E. Frank Coe's High Grade Ammoniated Bone Superphosphate for all Crops.....
1065	E. Frank Coe's High Grade Potato Fertilizer.....
1269	E. Frank Coe's High Grade Potato Fertilizer.....
1369	E. Frank Coe's High Grade Potato Fertilizer.....
1068	E. Frank Coe's New Englander Corn and Potato Fertilizer.....
1274	E. Frank Coe's New Englander Corn and Potato Fertilizer.....
1066	E. Frank Coe's Red Brand Excelsior Guan for Market Gardening.....
1271	E. Frank Coe's Red Brand Excelsior Guano for Market Gardening.....
1316	E. Frank Coe's Red Brand Excelsior Guano for Market Gardening.....
1142	E. Frank Coe's Special Grass and Grain Fertilizer.....
1275	E. Frank Coe's Special Grass and Grain Fertilizer.....
ESSEX FERTILIZER CO., BOSTON, MASS.	
1177	Essex Complete Manure for Potatoes, Roots and Vegetables.....
1449	Essex Complete Manure for Potatoes, Roots and Vegetables.....
1502	Essex Market Garden and Potato Manure.....
1508	Essex Market Garden and Potato Manure.....
1439	Essex Potato Grower.....
1451	Essex Potato Grower.....
1450	Essex Special Potato Phosphate for Potatoes and Roots.....
1490	Essex XXX Fish and Potash for all Crops.....
1507	Essex XXX Fish and Potash for all Crops.....
FARRAR & MORRISON, BANGOR, MAINE.	
1499	Acid Phosphate.....
1500	Muriate of Potash.....
1501	Nitrate of Soda.....
HUBBARD FERTILIZER CO., BALTIMORE, MD.	
1260	Hubbard's Bone, Blood and Potash for Potatoes and all other Crops.....
1280	Hubbard's Bone, Blood and Potash for Potatoes and all other Crops.....
1281	Hubbard's Farmers IXL Superphosphate.....
1485	Hubbard's Farmers IXL Superphosphate.....
1484	Hubbard's Royal Ensign for Early Market Vegetables.....
1279	Hubbard's Soluble Bone and Potash.....
1444	Hubbard's Special Potato Compound.....
LISTER'S AGRICULTURAL CHEMICAL WORKS, NEWARK, N. J.	
1150	Lister's Animal Bone and Potash.....
1182	Lister's Animal Bone and Potash.....
1131	Lister's High Grade Special for Spring Crops.....
1215	Lister's High Grade Special for Spring Crops.....
1149	Lister's Oneida Special Fertilizer.....
1213	Lister's Oneida Special Fertilizer.....
1130	Lister's Potato Manure.....
1208	Lister's Potato Manure.....
1157	Lister's Bone Meal.....
1217	Lister's Pure Raw Bone Meal.....
1151	Lister's Special Corn Fertilizer.....
1185	Lister's Special Corn Fertilizer.....

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acids.								Potash.	
	As Ammonia.	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble.	A ailable.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1144					4.65	5.27	3.28	9.92	10.00	13.20	12.00	2.17	2.00	
1376					4.69	5.99	3.25	10.68	10.00	13.93	12.00	2.01	2.00	
1064	0.05		1.96	1.85	6.28	3.80	3.26	10.08	9.00	13.34	11.00	1.69	2.20	
1270	0.67		2.21	1.85	4.16	4.94	1.29	9.10	9.00	10.39	11.00	2.30	2.25	
1065	0.73		2.45	2.40	5.31	4.22	2.52	9.53	8.00	12.05	10.00	5.23	6.00	
1268	0.67		2.78	2.40	4.86	4.64	2.21	9.50	8.00	11.71	10.00	5.45	6.00	
1369	0.88		2.88	2.40	4.81	5.27	2.08	10.08	8.00	12.16	10.00	4.32	6.00	
1068	0.17		0.98	0.80	5.04	3.21	1.66	8.25	7.50	9.91	9.00	3.06	3.00	
1274	0.06	0.40	1.23	0.80	5.21	3.08	1.59	8.29	7.50	9.88	9.00	3.10	3.00	
1066	1.43		2.96	3.30	4.78	4.86	2.82	9.64	9.00	12.46	10.00	5.07	6.00	
1271	1.33		3.22	3.50	4.69	4.89	2.31	9.58	9.00	11.89	10.00	4.35	6.00	
1316	0.11		3.94	3.30	5.88	4.91	1.31	10.79	9.00	12.10	10.00	5.56	6.00	
1142	0.11		0.92	0.80	3.17	5.15	2.65	8.32	8.50	10.97	10.00	1.75	1.50	
1275	0.52		1.30	0.80	4.45	6.06	1.52	10.51	8.50	12.03	10.00	2.27	1.50	
1177	0.16	0.79	3.34	3.25	1.02	4.00	5.47	5.02	6.00	10.49	7.00	10.19	10.00	
1449	0.72	0.36	3.36	3.25	2.15	3.53	4.65	5.68	6.00	10.33	7.00	9.97	10.00	
1502	0.03		2.20	2.00	1.94	4.83	6.57	6.77	8.00	13.34	9.00	4.78	5.00	
1508	0.02		2.12	2.00	2.53	4.80	5.33	7.33	8.00	12.66	9.00	5.18	5.00	
1439	0.03		2.44	2.46	3.49	2.63	1.56	6.12	6.00	7.68	7.00	10.23	10.00	
1451	0.05		2.62	2.46	3.36	2.57	2.42	5.93	6.00	8.35	7.00	10.09	10.00	
1450	0.10		2.59	2.46	5.57	4.60	1.91	9.17	8.00	11.08	9.00	6.01	6.00	
1490	0.04	0.26	2.12	2.00	2.89	4.59	4.36	7.48	8.00	11.84	9.00	2.84	3.00	
1507	.02		2.06	2.00	2.58	4.18	3.97	6.76	8.00	10.73	9.00	3.67	3.00	
1499					10.42	4.38	1.17	14.80	15.44	15.97	15.95			
1500												53.96	50.00	
1501		15.66	15.66	15.00										
1260	0.83	1.45	3.62	3.29	6.68	1.72	0.64	8.40	8.00	9.04	9.00	9.56	7.00	
1280	0.98	0.68	3.28	3.33	6.98	2.29	1.01	9.27	8.00	10.28	9.00	5.94	7.00	
1281	0.62	0.14	1.70	1.65	2.25	5.99	2.28	3.24	8.00	10.52	9.00	9.72	2.00	
1485	0.70		2.15	1.65	5.66	2.95	1.67	8.61	8.00	10.28	9.00	2.82	2.00	
1484	1.37		2.64	2.47	5.37	2.84	1.62	8.21	8.00	9.83	9.00	4.68	4.00	
1279					5.12	5.83	1.42	10.95	10.00	12.37		2.62	2.00	
1444	0.04	0.52	2.78	3.30	5.98	1.38	0.83	7.56	6.00	8.19	7.00	10.92	10.00	
1150					4.42	4.48	2.08	8.90	10.00	10.98	11.00	1.98	2.00	
1182					5.09	3.56	4.21	8.65	10.00	12.86	11.00	1.92	2.00	
1131	0.19		1.86	1.65	5.09	3.37	1.84	8.46	8.00	10.30	10.00	9.91	10.00	
1215	0.10	0.80	1.99	1.65	5.15	2.58	2.23	7.73	8.00	9.96	10.00	10.04	10.00	
1149	0.08		1.03	0.83	3.86	3.04	1.87	6.90	7.00	8.77	8.00	1.25	1.00	
1213	0.06	0.52	1.22	0.83	2.65	5.51	3.17	8.16	7.00	11.33	8.00	1.28	1.00	
1130	1.89		3.32	3.30	5.52	2.61	1.63	8.16	8.00	9.79	9.00	6.95	7.00	
1208	1.34	0.40	3.30	3.30	6.25	1.82	2.37	8.07	8.00	10.44	9.00	6.67	7.00	
1157			4.36	2.68						22.49	23.00			
1217			2.90	2.68						24.67	23.00			
1151	0.10	0.36	2.16	1.65	5.42	2.57	2.89	7.09	8.00	9.98	9.00	3.32	3.00	
1185		0.95	2.15	1.65	5.16	2.34	2.35	7.50	8.00	9.85	9.00	3.54	3.00	

Descriptive List of Station Samples, 1908.

Station number.	Manufacturer, place of business and brand.
1152	Lister's Special Potato Fertilizer.....
1186	Lister's Special Potato Fertilizer.....
1132	Lister's 10% Potato Grower.....
1184	Lister's 10% Potato Grower.....
1153	Lister's Success Fertilizer.....
1183	Lister's Success Fertilizer.....
NATIONAL FERTILIZER CO. BOSTON, MASS.	
1428	Chittenden's Aroostook Special Fertilizer.....
1434	Chittenden's Aroostook Special Fertilizer.....
1441	Chittenden's Complete Root Fertilizer.....
1447	Chittenden's Eureka Potato Fertilizer.....
1420	Chittenden's Excelsior Potato Fertilizer.....
1429	Chittenden's Excelsior Potato Fertilizer.....
1435	Chittenden's Excelsior Potato Fertilizer.....
1431	Chittenden's Market Garden Fertilizer.....
NEW ENGLAND FERTILIZER CO., BOSTON, MASS.	
1171	New England Complete Manure.....
1334	New England Complete Manure.....
1174	New England Corn and Grain Fertilizer.....
1311	New England Corn and Grain Fertilizer.....
1165	New England Corn Phosphate.....
1310	New England Corn Phosphate.....
1168	New England High Grade Potato Fertilizer.....
1326	New England High Grade Special with 10% Potash.....
1452	New England High Grade Special with 10% Potash.....
1504	New England High Grade Special.....
1509	New England High Grade Special.....
1427	New England Market Garden Fertilizer.....
1169	New England Potato Fertilizer.....
1312	New England Potato Fertilizer.....
1175	New England Potato Grower.....
1314	New England Potato Grower.....
1163	New England Superphosphate.....
1315	New England Superphosphate.....
PARMENTER & POLSEY FERTILIZER CO., BOSTON, MASS.	
1176	A. A. Brand.....
1464	A. A. Brand.....
1308	Aroostook Special.....
1164	Maine Potato Fertilizer.....
1307	Maine Potato Fertilizer.....
1167	Plymouth Rock Brand Fertilizer.....
1303	Parmenter & Polsey Potato Grower with 10% Potash.....
1303	Special Potato Fertilizer.....
1483	Special Potato Fertilizer.....
PORTLAND RENDERING COMPANY, PORTLAND, MAINE.	
1276	Portland Rendering Company Bone Dust Tankage.....
R. T. PRENTISS FERTILIZER CO., HOULTON, ME.	
—	Prentiss Aroostook Complete.....
PROVINCIAL CHEMICAL FERTILIZER CO., ST. JOHN, N. B.	
1440	10% Complete Potato.....

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acid.								Potash.	
	As Ammonia.	As Nitrates	Total.		Soluble.	Reverted.	Insoluble.	Available.		Potash.		Found.	Guaranteed.	
			Found	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1152	0.08	0.98	2.20	1.65	4.72	2.60	2.63	7.32	8.00	9.95	9.00	3.25	3.00	
1186	0.10	0.58	1.76	1.65	4.81	2.31	2.91	7.12	8.00	10.00	9.00	3.22	3.00	
1132	1.11	.....	3.26	3.50	4.22	2.56	2.11	6.58	6.00	8.69	9.00	10.02	10.00
1184	0.08	1.06	3.26	3.50	5.61	1.34	1.68	6.95	6.00	8.58	9.00	8.46	10.00	
1153	0.08	0.36	1.69	1.24	4.49	3.21	2.49	7.70	9.00	10.19	11.00	2.14	2.00	
1185	0.10	0.38	1.59	1.24	5.21	2.64	2.80	7.88	9.00	10.68	11.00	2.01	2.00	
1428	0.60	1.02	4.18	4.11	5.58	2.41	1.24	7.99	7.00	9.28	8.00	7.96	7.00	
1434	0.08	1.35	4.28	4.11	4.58	2.34	2.08	6.75	7.00	8.78	8.00	7.12	7.00	
1441	0.24	1.18	3.26	3.50	5.55	2.08	2.24	7.63	8.00	9.84	10.00	5.62	6.00	
1447	0.39	1.11	2.77	2.40	4.54	2.89	2.09	7.43	6.00	9.52	8.00	9.24	10.00	
1420	0.28	1.20	3.30	3.50	4.45	2.08	2.19	6.48	6.00	8.67	8.00	9.21	10.00	
1429	0.22	0.80	3.56	3.30	4.34	1.56	2.21	6.30	6.00	8.51	8.00	9.94	10.00	
1435	0.18	0.44	3.59	3.50	3.21	2.65	2.44	5.80	6.00	8.50	8.00	9.48	10.00	
1431	0.20	0.79	2.92	2.40	5.52	2.29	2.14	7.81	6.00	9.98	8.00	4.50	5.00	
1171	0.04	0.82	3.16	3.28	3.91	2.25	1.28	6.16	6.00	7.44	7.00	9.95	10.00	
1334	0.06	0.94	3.13	3.28	4.94	1.61	1.84	6.55	6.00	8.49	7.00	9.57	10.00	
1174	.....	.....	1.44	1.22	4.85	1.49	1.50	6.64	7.00	7.94	8.00	2.09	2.00
1311	.....	.....	1.62	1.22	4.82	2.24	1.16	7.00	7.00	8.25	8.00	2.18	2.00
1165	.....	.....	1.90	1.64	5.56	2.02	1.34	7.58	8.00	8.91	9.00	3.04	3.00
1310	.....	.....	1.62	1.64	5.45	1.45	1.54	7.18	8.00	8.51	9.00	3.04	3.00
1168	.....	.....	2.52	2.46	4.45	2.42	2.14	7.17	8.00	9.34	9.00	5.96	6.00
1326	0.04	0.92	3.60	3.69	4.19	2.93	1.65	7.12	7.00	8.77	8.00	9.79	10.00	
1452	0.72	.....	3.89	3.69	5.47	2.24	1.64	7.74	7.00	9.37	8.00	9.81	10.00
1504	0.40	0.40	3.66	3.69	4.29	2.71	2.31	7.00	7.00	9.31	8.00	10.72	10.00	
1509	0.68	0.20	3.47	3.69	5.10	2.09	1.48	7.19	7.00	8.67	8.00	9.86	10.00	
1427	0.83	.....	4.04	4.10	4.46	3.19	1.80	7.69	7.00	9.45	8.00	7.57	7.00
1169	0.04	.....	1.65	1.64	4.43	2.28	1.91	6.71	7.00	8.62	8.00	4.11	4.00
1312	0.03	.....	1.84	1.64	4.72	2.14	1.42	6.86	7.00	8.28	8.00	4.19	4.00
1175	0.08	0.72	2.26	2.46	4.19	2.10	1.39	6.29	6.00	7.68	7.00	10.10	10.00	
1314	0.06	0.94	2.64	2.46	4.71	1.99	1.11	6.70	6.00	7.81	7.00	9.91	10.00	
1163	.....	.....	2.48	2.46	6.39	1.69	0.91	8.08	8.00	8.95	10.00	3.97	4.00
1315	.....	.....	2.52	2.46	6.99	1.23	1.09	8.22	8.00	9.22	10.00	3.89	4.00
1176	0.78	.....	3.98	4.10	5.50	2.90	2.69	8.40	7.00	11.09	8.00	8.99	8.00
1464	0.80	.....	3.88	4.10	5.24	3.17	2.51	8.41	7.00	10.92	8.00	8.23	8.00
1308	0.56	0.30	3.84	3.69	3.84	3.11	1.74	6.95	7.00	8.69	8.00	9.21	10.00	
1164	0.92	0.34	3.56	3.28	3.59	2.62	1.71	6.21	6.00	7.92	8.00	9.17	10.00	
1304	0.84	0.34	3.52	3.28	3.62	3.05	1.50	6.67	6.00	7.94	8.00	9.32	10.00	
1167	0.07	.....	2.72	2.46	1.56	6.09	1.53	7.65	8.00	9.58	9.00	4.03	4.00
1306	0.76	.....	2.50	2.46	4.29	2.17	0.71	6.46	6.00	7.17	7.00	9.00	10.00
1303	0.06	0.98	2.96	3.28	4.70	2.85	1.56	7.65	8.00	9.21	9.00	6.93	7.00	
1482	0.08	0.72	3.39	3.28	5.21	3.03	1.66	8.24	8.00	9.90	9.00	6.49	7.00	
1276	.....	.....	6.05	5.75	.....	.....	.....	.....	.....	14.39	14.50	.....	.....
.....	*	*	*	2.57	*	*	*	*	6.00	*	9.00	*	10.00	
1440	.....	.....	2.44	3.29	5.67	1.85	1.82	7.52	8.00	9.34	.....	8.78	10.00

* For analysis see page 275.

Descriptive List of Station Samples, 1908.

Station number.	Manufacturer, place of business and brand.	
	P. H. REED, FT. FAIRFIELD, MAINE.	
1426	Reed's Potato Grower.	
	SAGADAHOC FERTILIZER CO., BOWDOINHAM, MAINE.	
1291	Dry Acid Phosphate.	
1297	Aroostook Potato Manure.	
1299	Dirigo Grass and Grain Fertilizer.	
1300	Muriate of Potash.	
1293	Nitrate of Soda.	
1292	Sagadahoc High Grade Superphosphate.	
1295	Sagadahoc Special Potato Fertilizer.	
1298	XX Chemical Fertilizer for Grain and Top Dressing.	
1296	Yankee Fertilizer.	
1290	3-6-10% Potash Fertilizer for Potatoes.	
1468	3-6-and 10 Fertilizer for Potatoes.	
1294	4-6-and 10 Fertilizer for Potatoes.	
1430	4-6-and 10 Per cent Potash Fertilizer.	
	SWIFT'S LOWELL FERTILIZER CO., BOSTON, MASS.	
1474	Swift's Lowell Acid Phosphate.	
1309	Muriate of Potash.	
1477	Muriate of Potash.	
1475	Nitrate of Soda.	
1304	Swift's Lowell Animal Brand for All Crops.	
1333	Swift's Lowell Animal Brand for all Crops.	
1161	Swift's Lowell Bone Fertilizer for Corn and Grain.	
1330	Swift's Lowell Bone Fertilizer for Corn and Grain.	
1160	Swift's Lowell Cereal Brand.	
1327	Swift's Lowell Cereal Brand.	
1302	Swift's Lowell Dissolved Bone and Potash.	
1328	Swift's Lowell Dissolved Bone and Potash.	
1284	Swift's Lowell Empress Brand for Corn and Potatoes.	
1162	Swift's Lowell Potato Manure.	
1332	Swift's Lowell Potato Manure.	
1159	Swift's Lowell Potato Phosphate.	
1335	Swift's Lowell Potato Phosphate.	
1172	Swift's Lowell Potato Grower.	
1445	Swift's Lowell Potato Grower.	
1170	Swift's Special Potato Fertilizer.	
1305	Swift's Special Potato Fertilizer.	
1506	Swift's Lowell Special Vegetable Manure.	
1173	Swift's Lowell Superior Fertilizer with 10% Potash.	
1337	Swift's Lowell Superior Fertilizer with 10% Potash.	
	TUSCARORA FERTILIZER CO., BALTIMORE, MARYLAND.	
1425	Aroostook Special.	
1436	Aroostook Special.	
1437	Complete Potato.	
1505	Tuscarora Fruit and Potato.	
1424	Trucker's Special.	

Analysis of Station Samples, 1908.

Station number.	Nitrogen.				Phosphoric Acid.								Potash.	
	As Ammonia.	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1426	0.16	1.00	2.70	3.30	5.56	1.41	0.94	6.97	7.00	7.91	9.00	7.92	8.00	
1291					11.06	3.86	1.28	14.92	14.00	16.20				
1297	0.20	0.34	1.24	1.00	2.76	2.57	1.20	5.33	6.00	6.53	7.00	5.65	4.00	
1299	0.10		1.77	1.00	2.73	2.44	1.81	5.17	4.00	6.98	6.00	5.24	2.00	
1300												50.88	50.00	
1293			15.52	14.00										
1292	0.08		1.82	1.85	8.67	2.81	1.08	11.48	6.00	12.56	8.00	3.03	3.00	
1295	0.10	1.10	2.00	2.00	4.43	2.70	1.14	7.13	7.00	8.27	8.00	8.20	8.00	
1298	0.04	4.46	7.01	7.00	1.53	5.15	2.53	6.68	2.00	9.21	7.00	10.18	8.00	
1296	0.02	0.26	0.64	0.40	3.92	2.54	1.00	6.46	7.00	7.46	8.00	3.01	2.00	
1290	0.04	1.20	2.74	2.47	3.32	2.43	1.29	5.75	6.00	7.04	7.00	11.69	10.00	
1468	0.06	0.98	2.79	2.47	3.67	2.33	1.31	6.09	6.00	7.31	7.00	9.41	10.00	
1294	0.66	1.68	3.50	3.19	3.87	2.00	0.98	5.87	6.00	6.85	7.00	12.23	10.00	
1430	0.80	1.06	3.12	3.29	3.92	2.86	1.52	6.78	6.00	8.30	7.00	9.23	10.00	
1474					9.91	4.50	2.52	14.41	12.00	16.93	13.00			
1309												48.04	50.00	
1477												49.20	50.00	
1475			15.74	15.00										
1304	0.09		2.86	2.46	4.45	3.22	2.95	7.67	8.00	10.62	9.00	4.21	4.00	
1333			2.67	2.46	6.97	1.14	0.87	8.11	8.00	8.98	9.00	4.30	4.00	
1161			1.64	1.64	5.63	1.98	1.54	7.61	8.00	9.15	9.00	3.40	3.00	
1330			1.72	1.64	4.47	2.98	1.77	7.45	8.00	9.22	9.00	2.94	3.00	
1160	0.32		0.90	0.82	5.05	2.18	0.77	7.23	7.00	8.00	8.00	1.18	1.00	
1327			1.06	0.82	5.81	1.50	0.92	7.31	7.00	8.23	8.00	2.19	1.00	
1302			1.81	1.64	5.80	2.50	1.93	8.30	9.00	10.23	10.00	2.38	2.00	
1328			1.88	1.64	6.65	1.63	1.50	8.28	9.00	9.78	10.00	2.17	2.00	
1284			1.27	1.23	4.99	2.54	1.21	7.53	7.00	8.74	8.00	2.08	2.00	
1162			1.82	1.64	4.57	1.80	1.34	6.37	7.00	7.71	8.00	3.97	4.00	
1332			1.70	1.64	5.69	1.15	1.28	6.84	7.00	8.12	8.00	4.29	4.00	
1159			2.24	2.46	4.85	2.54	2.09	7.39	8.00	9.48	9.00	6.66	6.00	
1335			2.64	2.46	6.12	1.65	1.59	7.77	8.00	9.36	9.00	5.84	6.00	
1172	0.04	0.92	3.12	3.28	3.92	2.33	1.22	6.45	6.00	7.67	7.00	10.06	10.00	
1445	0.78		3.28	3.28	2.09	3.78	5.16	5.87	6.00	11.03	7.00	9.69	10.00	
1170	0.08	0.89	2.47	2.46	4.32	2.28	1.29	6.60	6.00	7.89	7.00	10.06	10.00	
1305	0.72		2.64	2.46	4.32	1.72	0.88	6.04	6.00	6.92	7.00	9.64	10.00	
1506	0.12	0.82	3.11	3.28	4.88	3.04	1.63	7.92	8.00	9.55	9.00	7.10	7.00	
1173	0.08	0.94	3.62	3.69	3.95	2.95	1.64	7.90	7.00	8.54	8.00	10.12	10.00	
1337	0.04	0.90	3.60	3.69	4.38	2.53	2.05	6.91	7.00	8.96	8.00	9.93	10.00	
1425	0.19	1.27	2.42	2.47	6.04	1.21	0.56	7.25	7.00	7.81	8.00	7.74	8.00	
1436	0.16	1.06	2.52	2.47	5.64	1.16	1.17	6.80	7.00	7.97	8.00	8.08	8.00	
1437	0.20	1.26	3.28	3.29	5.61	1.29	0.37	6.90	6.00	7.27	7.00	9.32	10.00	
1505	0.12	0.42	1.82	1.65	6.74	1.93	1.01	8.67	8.00	9.68	9.00	10.35	10.00	
1424	0.02	1.54	4.28	4.11	7.33	0.82	0.62	8.15	8.00	8.77	9.00	7.50	7.00	

Descriptive List of Station Samples, 1908.

Station number	Manufacturer, place of business and brand.	
	WHITMAN & PRATT RENDERING CO., LOWELL, MASS.	
1493	Whitman & Pratt's All Crop	.....
1494	Whitman & Pratt's All Crop	.....
1495	Whitman & Pratt's Corn Success	.....
1496	Whitman & Pratt's Corn Success	.....
1412	Whitman & Pratt's Potash Special	.....
1470	Whitman & Pratt's Potato Special	.....
1471	Whitman & Pratt's Potato Special	.....
1492	Whitman & Pratt's Potato Manure	.....
1473	Whitman & Pratt's Potato Plowman	.....
1469	Whitman & Pratt's Vegetable Grower	.....
1472	Whitman & Pratt's Vegetable Grower	.....
	WILCOX FERTILIZER COMPANY, MYSTIC, CONN.	
1481	Wilcox Complete Bone Superphosphate	.....
1432	Premium Potato Fertilizer	.....
1482	Wilcox Premium Potato Fertilizer	.....

Analysis of Station Samples, 1908.

Station number.	Nitrogeen.				Phosphoric Acid.								Potash.	
	As Ammonia	As Nitrates.	Total.		Soluble.	Reverted.	Insoluble.	Available.		Total.		Found.	Guaranteed.	
			Found.	Guaranteed.				Found.	Guaranteed.	Found.	Guaranteed.			
1493	0.07	.....	2.80	2.46	3.43	4.74	3.21	8.17	9.00	11.38	11.00	7.10	4.00
1494	0.14	.....	2.56	2.46	3.84	4.79	4.27	8.63	9.00	12.30	11.00	3.97	4.00
1495	0.06	.....	2.01	1.64	4.27	4.07	5.69	8.34	8.00	14.03	.....	3.05	3.00
1496	1.04	.....	1.94	1.64	4.18	4.01	5.64	8.19	8.00	13.83	.....	3.66	3.00
1412	0.11	1.03	2.83	2.88	2.97	3.41	3.31	6.38	6.00	9.69	.....	10.84	10.00
1470	1.28	0.20	3.30	2.88	2.87	3.79	3.61	6.66	6.00	10.27	.....	10.00	10.00
1471	0.08	1.06	2.94	2.88	3.35	3.71	3.24	7.06	6.00	10.30	.....	10.42	10.00
1492	.....	.....	2.86	2.46	2.61	4.45	3.28	7.06	7.00	10.34	.....	7.40	5.00
1473	0.53	.....	3.45	3.29	3.76	3.23	3.85	7.04	8.00	10.89	10.00	6.62	7.00
1469	0.67	.....	3.72	3.29	3.89	4.17	4.91	8.03	8.00	12.91	.....	7.65	7.00
1472	0.08	1.32	3.10	3.29	4.99	3.51	2.82	8.50	8.00	11.33	.....	7.68	7.00
1481	0.62	0.26	2.32	2.05	1.05	5.04	7.27	6.09	8.00	13.36	9.00	3.81	3.00	
1432	0.58	0.70	3.82	3.70	4.22	3.15	2.45	7.37	7.00	9.82	8.00	10.00	10.00	
1482	0.56	0.96	3.78	3.70	3.81	3.19	2.76	7.00	7.00	9.76	8.00	9.84	10.00	

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
A. A. C. Co. Aroostook Complete Manure.....	1906	2.56	7.17	10.21
	1907	2.77	6.47	9.90
	1908	2.85	6.70	9.23
A. A. C. Co. Aroostook High Grade.....	1906	4.35	8.15	6.31
	1907	4.36	7.05	6.63
	1908	4.14	6.78	6.80
Bradley's Alkaline Bone with Potash.....	1906	.....	11.19	2.10
	1907	.....	10.09	2.09
	1908	.....	9.52	1.83
Bradley's Comp. Manure for potatoes and vegetables.....	1906	3.27	8.69	6.79
	1907	3.32	8.06	6.68
	1908	3.41	8.04	6.82
Bradley's Complete Manure with 10% Potash.....	1906	3.36	7.03	9.79
	1907	3.30	6.39	9.76
	1908	3.52	5.76	9.76
Bradley's Corn Phosphate.....	1906	2.18	8.51	2.06
	1907	2.14	7.69	1.63
	1908	2.19	7.85	1.86
Bradley's Eureka Fertilizer	1906	1.19	8.55	2.14
	1907	1.23	9.09	2.19
	1908	1.04	9.00	2.05
Bradley's Niagara Phosphate.....	1906	1.19	9.14	1.97
	1907	1.29	8.91	2.26
	1908	1.14	7.41	2.19
Bradley's Potato Fertilizer.....	1906	2.10	9.46	3.04
	1907	2.25	7.52	3.22
	1908	2.18	7.39	3.03
Bradley's Potato Manure.....	1906	2.60	6.76	5.01
	1907	2.71	7.20	5.93
	1908	2.85	6.54	5.64
Bradley's X. L. Superphosphate of Lime.....	1906	2.55	9.26	2.40
	1907	2.72	9.04	2.26
	1908	2.70	8.56	2.22
Clark's Cove Bay State Fertilizer.....	1906	2.58	8.95	2.57
	1907	2.66	9.07	2.34
	1908	2.89	8.95	2.06
Clark's Cove Bay State Fertilizer G. G.....	1906	2.09	7.94	1.95
	1907	2.14	7.88	1.59
	1908	2.01	7.92	1.79
Clark's Cove Bay State Fertilizer for Seeding Down.....	1906	1.13	8.42	2.04
	1908	1.30	8.53	1.91
Clark's Cove Defiance Complete Manure.....	1906	1.39	8.04	2.29
	1907	1.22	7.25	1.62
	1908	1.15	7.93	1.46
Clark's Cove Great Planet Manure A. A.....	1906	3.39	8.01	7.60
	1907	3.40	8.46	7.02
	1908	3.39	7.39	7.00

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Clark's Cove King Philip Alkaline Guano.....	1903	1.10	8.48	2.09
	1907	1.21	7.44	1.99
	1908	1.16	8.15	2.19
Clark's Cove Potato Fertilizer.....	1906	2.05	8.26	3.36
	1907	2.18	7.67	3.35
	1908	2.15	8.41	3.22
Clark's Cove Potato Manure.....	1906	2.61	7.07	5.48
	1907	2.64	7.21	5.44
	1908	2.90	6.93	5.20
Cleveland Fertilizer for all Crops.....	1906	1.38	8.21	2.43
	1907	1.44	7.67	2.09
	1908	1.43	8.16	2.14
Cleveland High Grade Complete Manure.....	1906	2.95	8.16	7.91
	1907	3.40	7.88	6.75
	1908	3.32	7.64	6.76
Cleveland Potato Phosphate.....	1906	2.14	8.08	3.13
	1907	2.25	7.67	3.47
	1908	2.22	7.77	3.37
Cleveland Seeding Down Fertilizer.....	1906	1.11	8.31	2.10
	1908	1.66	8.34	1.94
Cleveland Superphosphate.....	1906	2.14	7.57	1.84
	1907	2.06	7.91	1.75
	1908	2.11	7.99	2.06
Complete Manure with 10% Potash.....	1906	3.17	6.42	9.85
	1908	3.40	7.31	10.14
Crocker's Ammoniated Corn Phosphate.....	1906	2.19	8.03	1.87
	1907	2.30	8.12	1.55
	1908	2.13	8.10	1.76
Crocker's Aroostook Potato Special.....	1906	2.00	8.69	5.90
	1907	2.20	7.99	7.09
	1908	2.02	7.67	6.13
Crocker's Grass and Oats Fertilizer.....	1906	.....	10.58	2.14
	1907	.....	10.10	2.06
	1908	.....	9.78	2.10
Crocker's High Grade.....	1906	3.23	8.15	6.58
	1908	3.27	8.28	6.89
Crocker's New Rival Ammoniated Superphosphate.....	1906	1.31	8.28	2.30
	1907	1.27	7.96	2.44
	1908	1.20	8.65	2.03
Crocker's Potato, Hop and Tobacco.....	1906	2.04	7.99	3.10
	1907	2.28	8.08	3.39
	1908	2.20	7.81	3.14
Crocker's Special Potato Manure.....	1906	3.33	6.73	10.91
	1907	3.34	6.65	9.76
	1908	3.44	5.92	9.35
Cumberland Guano for all Crops.....	1906	1.04	8.79	2.29

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Cumberland Potato Fertilizer.	1906	2.21	8.51	3.34
	1907	2.32	7.97	3.26
	1908	2.11	7.67	3.23
Cumberland Seeding Down Manure.....	1906	1.14	9.09	2.24
	1907	1.22	7.88	1.88
	1908	1.61	8.60	1.99
Cumberland Superphosphate.....	1906	2.12	7.87	2.43
	1907	1.92	7.65	1.80
	1908	2.04	8.02	1.66
Darling's Blood, Bone and Potash	1906	4.22	6.69	8.09
	1907	4.20	7.22	8.76
	1908	4.20	6.73	7.17
A. A. C. Co. Fine Ground Bone.....	1907	2.52	.....	22.92
Grass and Lawn Top Dressing.....	1906	4.93	5.84	2.62
	1908	5.64	6.01	4.36
Great Eastern General Fertilizer.....	1906	0.99	7.55	3.87
	1907	1.06	7.75	4.21
	1908	1.24	7.22	4.51
Great Eastern Grass and Oats Fertilizer.....	1906	.....	10.61	2.06
	1907	.....	10.43	2.38
	1908	.....	9.44	1.79
Great Eastern High Grade Potato Manure.....	1906	3.48	7.38	10.13
	1907	3.44	5.60	9.63
	1908	3.33	6.32	10.72
Great Eastern Northern Corn Special.....	1906	2.39	8.80	2.06
	1907	2.16	8.00	1.92
	1908	2.04	7.86	1.77
Great Eastern Potato Manure.....	1906	2.10	8.30	3.32
	1907	2.04	8.34	3.24
	1908	2.10	7.48	3.25
Great Eastern Potato Special.....	1906	3.35	8.45	7.32
	1908	3.32	7.63	7.24
High Grade Fertilizer with 10% Potash.....	1906	2.61	6.48	10.26
	1907	2.83	5.93	9.52
	1908	2.42	6.70	10.52
Lazaretto Aroostook Potato Guano.....	1906	0.98	8.30	4.06
	1908	1.28	7.23	4.23
Lazaretto Corn Guano.....	1906	2.16	7.42	2.37
	1907	1.88	8.24	2.26
	1908	1.88	7.00	2.19
Lazaretto High Grade Potato Manure	1906	3.38	6.10	10.58
	1907	3.42	6.65	9.84
	1908	3.39	5.95	9.74
Lazaretto Propeller Potato Guano.....	1906	2.05	8.16	5.62
	1907	2.30	7.30	6.40
	1908	2.42	8.39	5.81

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
A. A. C. Co. Muriate of Potash.....	1908	.....	.....	49.60
A. A. C. Co. Nitrate of Soda.....	1907	14.92	.....	.....
	1908	15.64	.....	.....
Northern Maine Potato Special.....	1907	3.82	7.05	9.12
	1908	3.90	7.26	9.81
Otis' Potato Fertilizer.....	1906	2.03	8.46	3.11
	1908	1.99	8.34	3.13
Otis' Seeding Down Fertilizer.....	1906	1.17	8.54	2.22
Otis' Superphosphate.....	1906	2.23	9.19	1.96
	1908	2.34	7.58	1.74
Pacific Dissolved Bone and Potash.....	1906	.....	10.29	2.08
	1907	.....	10.52	2.12
	1908	.....	9.92	1.96
Pacific Grass and Grain Fertilizer.....	1906	1.16	8.96	1.51
	1907	1.37	6.75	1.99
	1908	1.38	7.58	1.71
Pacific High Grade General Fertilizer.....	1906	3.17	8.34	7.07
	1907	3.50	8.31	6.78
	1908	3.41	8.05	7.20
Pacific Nobsque Guano.....	1906	1.12	8.50	2.29
	1907	1.30	7.40	2.13
	1908	1.48	8.67	2.06
Pacific Potato Special.....	1906	2.07	7.55	3.42
	1907	2.21	7.61	3.28
	1908	2.16	8.00	3.19
Packer's Union Animal Corn Fertilizer.....	1906	2.50	9.26	2.38
	1907	2.60	8.70	2.37
	1908	2.75	8.37	2.30
Packer's Union Economical Vegetable Guano.....	1906	1.37	6.66	4.49
	1907	1.52	8.09	3.90
	1908	2.14	7.81	4.15
Packer's Union Gardeners' Complete Manure.....	1906	2.47	6.67	10.26
	1907	2.64	6.21	9.53
	1908	2.65	6.54	9.49
Packer's Union High Grade.....	1906	3.25	8.48	7.27
	1908	3.46	8.09	6.31
Packer's Union Potato Manure.....	1906	2.21	9.12	6.40
	1907	2.29	7.68	6.47
	1908	2.28	7.25	6.26
Packer's Union Universal Fertilizer.....	1906	1.24	8.25	4.18
	1907	1.10	8.05	4.11
	1908	1.25	6.63	4.40
Packer's Union Wheat, Oats and Clover Fertilizer.....	1906	.....	11.16	2.45
	1907	.....	10.91	2.10
	1908	.....	9.67	1.87

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Plain Superphosphate.....	1908	.....	14.72	.....
Quinnipiac Climax Phosphate for all Crops.....	1906	1.18	8.60	2.05
	1907	1.16	8.05	1.82
	1908	1.10	8.07	2.09
Quinnipiac Corn Manure.....	1906	2.13	8.63	2.23
	1907	2.21	7.85	1.85
	1908	2.20	7.61	2.07
Quinnipiac Market Garden Manure.....	1906	3.33	8.16	7.28
	1907	3.22	8.00	6.62
	1908	3.24	7.75	7.12
Quinnipiac Mohawk Fertilizer.....	1906	1.22	8.39	2.29
	1907	1.22	7.10	1.57
	1908	1.16	7.54	1.12
Quinnipiac Potato Manure.....	1906	2.59	7.54	5.05
	1907	2.71	6.97	6.19
	1908	2.66	8.05	5.34
Quinnipiac Potato Phosphate.....	1906	2.08	8.84	3.35
	1907	2.29	7.66	3.17
	1908	2.19	7.91	3.30
Read's Farmer's Friend Superphosphate.....	1906	2.03	8.42	3.76
	1907	2.28	7.80	3.40
	1908	2.12	7.66	3.09
Read's High Grade Farmers' Friend.....	1906	3.31	6.55	7.38
	1907	3.26	6.38	10.04
	1908	3.37	6.77	8.62
Read's Potato Manure.....	1906	2.59	6.10	9.76
	1907	2.53	6.58	9.67
	1908	2.56	6.54	9.45
Read's Practical Potato Special.....	1906	1.05	5.87	6.65
	1907	1.10	7.03	7.86
	1908	1.17	7.00	8.28
Read's Standard Superphosphate.....	1906	1.00	7.92	3.95
	1907	0.93	8.01	3.87
	1908	1.22	7.45	4.18
Read's Sure Catch Fertilizer.....	1906	.....	9.69	2.06
	1907	.....	10.44	2.19
	1908	.....	9.79	1.84
Read's Vegetable and Vine Fertilizer.....	1906	2.12	8.34	5.16
	1907	2.18	8.71	5.51
	1908	2.10	7.45	5.11
Soluble Pacific Guano.....	1906	2.10	8.25	1.99
	1907	1.89	8.12	1.60
	1908	2.21	7.35	1.95
Standard A. Brand.....	1906	1.19	8.03	1.67
	1907	1.19	7.38	2.01
	1908	1.41	8.21	1.95
Standard Bone and Potash.....	1906	.....	10.79	2.03
	1907	.....	10.40	2.05
	1908	.....	9.76	2.05

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Standard Complete Manure.....	1906	3.38	8.19	7.38
	1907	3.32	8.03	7.03
	1908	3.50	8.10	6.95
Standard Fertilizer.....	1906	2.24	7.97	1.86
	1907	2.12	8.25	1.68
	1908	2.10	8.27	1.83
Standard Guano for all Crops.....	1906	1.22	8.18	2.14
	1907	1.18	7.68	2.08
	1908	1.23	8.15	1.99
Standard Special for Potatoes.....	1906	2.14	8.22	3.07
	1907	2.24	7.87	3.22
	1908	2.08	7.77	3.20
Williams & Clark's Americus Ammoniated Bone Super- phosphate.....	1906	2.43	9.29	2.25
	1907	2.52	8.89	2.10
	1908	2.84	8.24	2.18
Williams & Clark's Americus Corn Phosphate.....	1906	2.18	8.14	1.97
	1907	2.16	7.76	1.56
	1908	2.00	8.43	2.36
Williams & Clark's Americus High Grade Special.....	1906	3.30	8.55	7.15
	1907	3.38	7.85	6.91
	1908	3.38	8.29	7.43
Williams & Clark's Americus Potato Manure.....	1906	2.05	8.11	3.24
	1907	2.24	7.91	3.05
	1908	2.14	8.09	3.34
Williams & Clark's Royal Bone Phosphate for all Crops...	1906	1.16	7.93	2.18
	1907	1.14	7.77	1.91
	1908	1.33	8.23	2.00
Armour's All Soluble.....	1906	2.71	9.44	4.02
	1907	3.61	8.37	3.65
	1908	3.02	*8.61	4.15
Armour's Bone, Blood and Potash.....	1906	3.90	7.94	8.39
	1907	4.27	8.47	7.90
	1908	4.60	*8.22	8.16
Armour's Complete Potato Fertilizer.....	1907	3.26	6.36	10.69
	1908	3.45	*6.68	10.04
Armour's Fruit and Root Crop Special.....	1903	1.83	8.34	5.77
	1907	1.93	9.00	4.31
	1908	2.29	*9.23	5.08
Armour's Grain Grower.....	1906	1.67	8.46	2.05
	1907	1.74	8.15	3.83
	1908	2.09	*8.82	3.69
Armour's High Grade Potato Fertilizer.....	1903	1.61	8.42	9.86
	1907	1.58	8.86	10.89
	1908	1.99	*7.15	11.36
Armour's Wheat, Corn and Oats Special Fertilizer.....	1906	0.92	8.10	1.03
	1907	0.65	9.02	1.07
	1908	0.88	*7.47	1.94
Bowker's Bone, Blood and Potash.....	1906	4.02	7.60	7.01
	1907	4.59	6.84	7.34
	1908	4.08	6.81	7.00

* Guarantee changed in 1908.

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Bowker's Bone and Potash Square Brand.	1906	2.04	7.85	2.29
	1907	1.69	6.19	1.88
	1908	1.91	5.75	2.07
Bowker's Complete Manure for Potatoes and Vegetables	1907	3.45	6.61	10.32
	1908	3.61	6.17	9.81
Bowker's Corn Phosphate	1906	2.01	7.78	2.45
	1907	1.92	8.56	2.05
	1908	1.89	6.80	2.12
Bowker's Early Potato Manure.	1906	3.36	7.66	7.56
	1907	3.32	8.26	6.47
	1908	3.48	7.89	6.52
Bowker's Farm and Garden Phosphate.	1906	1.88	8.04	2.27
	1907	2.03	7.27	2.24
	1908	1.96	7.26	2.18
Bowker's Fresh Ground Bone.	1907	2.58		
	1908	2.82		
Bowker's Hill and Drill Phosphate.	1906	2.44	9.28	2.33
	1907	2.67	8.69	2.31
	1908	2.77	8.47	2.25
Bowker's Market Garden Fertilizer.	1906	2.77	6.61	9.90
	1907	2.56	6.55	9.41
	1908	2.54	6.75	9.81
Bowker's Potash Bone.	1906	1.16	8.81	2.11
	1907	1.39	7.56	2.03
	1908	1.25	7.83	2.06
Bowker's Potash or Staple Phosphate.	1906	1.19	8.28	3.34
	1907	1.08	7.37	3.03
	1908	1.29	7.89	3.16
Bowker's Potato and Vegetable Fertilizer.	1906	2.58	8.76	4.35
	1907	2.53	8.50	4.57
	1908	2.80	8.01	4.37
Bowker's Potato and Vegetable Phosphate.	1906	1.71	8.77	2.16
	1907	2.04	8.34	2.00
	1908	1.83	7.03	2.10
Bowker's Six Per Cent Potato Fertilizer.	1906	1.29	7.62	6.34
	1907	1.18	6.41	6.66
	1908	1.31	6.71	6.73
Bowker's Superphosphate of Potash for Grass and Grain.	1903		10.40	1.89
	1907		11.31	2.02
	1908		10.37	1.97
Bowker's Sure Crop Phosphate.	1906	1.34	8.57	2.15
	1907	1.22	7.57	1.95
	1908	1.11	7.95	2.02
Bowker's Ten Per Cent Manure.	1906	1.03	6.95	7.80
	1908	1.41	5.94	9.95

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Monticello Grange Chemicals.	1906	2.52	8.22	4.01
	1907	2.68	8.05	4.40
	1908	*2.84	7.75	3.97
Special Potato Manure for the Grange.	1906	1.79	9.06	12.06
	1907	1.72	9.12	12.15
Stockbridge's Special Manure for Cabbage.	1907	5.64	5.33	6.03
Stockbridge's Special Manure A for Potatoes.	1907	4.03	7.28	10.38
	1908	4.28	6.96	9.93
Stockbridge's Special Manure for Corn (Class D 107).	1906	3.55	9.02	†6.12
	1907	3.48	9.99	7.28
	1908	3.78	9.39	7.46
Stockbridge's Special Manure for the Grass (Class F 56).	1906	4.91	6.02	6.20
	1907	5.04	5.61	6.37
	1908	4.68	5.18	6.97
Stockbridge's Special Manure for Potatoes (Class D 610). ..	1906	3.11	6.15	9.74
	1907	3.34	9.54	9.73
	1908	3.30	6.66	9.50
Stockbridge's Special Manure for Seeding Down (Class C 610)	1906	2.45	7.01	10.40
	1907	2.70	6.58	9.62
	1908	2.64	6.39	9.55
E. Frank Coe's Celebrated Special Potato Fertilizer.	1906	1.72	8.22	3.92
	1907	1.69	8.10	3.72
	1908	1.83	7.94	4.00
E. Frank Coe's Columbian Corn Fertilizer.	1906	1.57	8.16	2.78
	1907	1.36	9.31	2.32
	1908	1.57	8.76	2.31
E. Frank Coe's Columbian Potato Fertilizer.	1906	1.42	8.68	2.73
	1907	1.35	9.02	2.34
	1908	1.69	7.91	2.61
E. Frank Coe's Double Strength Potato Manure.	1907	3.60	7.28	8.59
	1908	3.71	8.13	11.10
E. Frank Coe's Excelsior Potato Fertilizer.	1906	2.59	7.30	8.38
	1907	2.47	7.41	6.94
	1908	2.55	8.11	6.76
E. Frank Coe's Grass and Grain Special Fertilizer.	1906	1.09	9.01	1.66
	1907	1.09	9.58	1.87
	1908	1.11	9.41	2.01
E. Frank Coe's High Grade Ammoniated Bone Superphosphate.	1906	2.18	9.11	2.77
	1907	1.74	9.20	2.22
	1908	2.08	9.59	1.99
E. Frank Coe's High Grade Potato Fertilizer.	1906	2.61	8.34	5.68
	1907	2.43	7.80	5.17
	1908	2.70	9.70	5.00
E. Frank Coe's New Englander Corn Fertilizer.	1906	1.49	8.27	4.02

* Guarantee changed in 1908.

† Guarantee changed in 1906.

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
E. Frank Coe's New Englander Corn and Potato Fertilizer.	1907	1.15	9.04	2.86
	1908	1.10	8.27	3.08
E. Frank Coe's New Englander Potato Fertilizer	1906	1.30	7.39	3.27
E. Frank Coe's Prize Brand Grain and Grass.	1906	.....	11.05	1.87
	1907	.....	9.96	1.66
	1908	.....	10.30	2.09
E. Frank Coe's Red Brand Excelsior Guano.	1906	3.24	8.80	6.45
	1907	3.03	8.79	5.20
	1908	3.37	10.01	4.99
E. Frank Coe's Standard Grade Ammoniated Bone Super- phosphate.	1906	1.49	9.26	2.37
Dexter Special Potato Manure.	1906	3.47	7.35	9.87
Farrar & Morrison Acid Phosphate.	1908	.....	14.80	.....
Farrar & Morrison Muriate of Potash.	1908	.....	.....	53.96
Farrar & Morrison Nitrate of Soda.	1908	15.66	.....	.....
Hubbard's Bone, Blood and Potash.	1906	3.41	7.89	7.34
	1907	3.22	7.73	7.41
	1908	3.45	8.83	6.25
Hubbard's Farmers' I. X. L. Superphosphate.	1906	2.17	8.07	2.18
	1907	1.87	8.41	2.50
	1908	1.92	8.42	2.77
Hubbard's Royal Ensign.	1906	2.41	7.04	4.02
	1907	2.30	8.59	4.57
	1908	2.64	8.21	4.68
Hubbard's Soluble Bone and Potash.	1907	.....	9.48	1.84
	1908	.....	10.95	2.62
Hubbard's Trucker's 5%.	1907	3.61	7.83	4.97
Hubbard's Special Potato Compound.	1908	2.78	7.36	10.92
Watson's Improved High Grade Potato Manure.	1906	3.17	7.24	5.24
	1907	3.10	6.04	5.02
Lister's Animal Bone and Potash.	1906	.....	10.50	2.06
	1907	.....	10.04	2.09
	*1908	.....	8.77	1.95
Lister's High Grade Special for Spring Crops.	1906	1.81	8.20	8.81
	1907	1.73	8.38	9.73
	1908	1.92	8.09	9.97
Lister's Oneida Special.	1906	1.33	7.99	1.73
	1907	1.24	7.93	1.50
	1908	1.12	7.53	1.26
Lister's Potato Manure.	1906	3.21	8.38	6.47
	1907	3.38	7.78	7.16
	1908	3.31	8.11	6.81

* Guarantee changed in 1908.

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Lister's Pure Raw Bone Meal.	1907	2.58		
	1908	3.63		
Lister's Special Corn Fertilizer.	1906	1.99	7.91	3.20
	1907	2.05	7.21	3.11
	1908	2.15	7.29	3.43
Lister's Special Potato Fertilizer.	1906	1.90	7.85	2.95
	1907	2.11	6.76	3.16
	1908	1.98	7.22	3.23
Lister's Success Fertilizer.	1906	1.39	9.42	2.47
	1907	1.39	9.26	2.12
	1908	1.64	7.79	2.07
Lister's 10% Potato Grower.	1906	3.18	6.62	10.38
	1907	3.33	5.60	10.12
	1908	3.26	6.76	9.39
Chittenden's Aroostook Special.	1908	4.23	7.37	7.54
Chittenden's Complete Root Fertilizer.	1906	3.14	8.12	7.67
	1907	3.38	7.79	7.77
	1908	3.26	7.63	5.63
Chittenden's Eureka Potato Fertilizer.	1906	3.19	6.77	10.37
	1908	2.77	7.43	9.24
Chittenden's Excelsior Potato Fertilizer.	1906	3.48	5.25	10.44
	1907	3.36	6.66	10.29
	1908	3.41	6.21	9.54
Chittenden's Market Garden Fertilizer.	1906	2.30	6.62	5.11
	1907	2.49	6.67	5.87
	1908	2.92	7.81	4.90
New England Complete Manure.	1906	3.31	7.16	8.30
	1907	3.19	6.66	9.60
	1908	3.15	6.35	9.66
New England Corn and Grain Fertilizer.	1906	1.29	7.21	2.17
	1907	1.20	7.00	1.94
	1908	1.53	6.86	2.13
New England Corn Phosphate.	1906	1.75	8.35	3.10
	1907	1.72	8.09	3.01
	1908	1.76	7.38	3.05
New England High Grade Potato Fertilizer.	1906	†2.41	8.41	6.44
	1907	2.22	8.00	5.95
	1908	2.52	7.17	5.96
New England High Grade Special.	1908	3.56	7.09	10.29
New England High Grade Special with 10% Potash.	1906	3.38	8.19	9.78
	1907	3.90	6.58	9.90
	1908	3.74	7.43	9.80
New England Market Garden Manure.	1906	4.16	9.16	5.39
	1907	4.04	6.21	5.93
	1908	4.04	7.65	7.57

† Guarantee changed in 1906.

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
New England Potato Fertilizer.....	1906	1.92	8.06	4.23
	1907	1.59	6.87	4.05
	1908	1.73	6.78	4.15
New England Potato Grower.....	1906	2.28	7.18	9.74
	1907	2.36	5.71	9.89
	1908	2.45	6.49	10.00
New England Superphosphate.....	1906	2.42	9.87	3.93
	1907	2.35	9.99	4.22
	1908	2.50	8.15	3.93
Excelsior Potato Fertilizer.....	1906	3.41	6.37	9.73
P. & P. ** A. A. Brand.....	1906	3.98	8.23	8.24
	1907	3.93	7.14	8.43
	1908	3.93	8.40	8.61
P. & P. Aroostook Special.....	1906	†3.53	8.27	9.67
	1907	3.64	6.72	10.07
	1908	3.84	6.95	9.21
P. & P. Grain Grower.....	1906	1.01	7.48	2.30
P. & P. Maine Potato Fertilizer.....	1907	2.91	6.25	9.58
	1908	3.54	6.44	9.24
P. & P. Potato Fertilizer.....	1906	1.66	6.83	4.90
Plymouth Rock Brand Fertilizer.....	1906	2.37	8.69	4.08
	1907	2.55	7.82	3.95
	1908	2.72	7.65	4.03
P. & P. Special Potato Fertilizer.....	1906	3.07	9.03	7.34
	1907	2.96	7.89	7.18
	1908	3.17	7.94	6.71
Star Brand Superphosphate.....	1906	1.52	7.53	2.62
P. & P. Potato Grower with 10% Potash.....	1908	2.50	6.46	9.00
Bone Dust Tankage.....	1907	6.07	.....	.....
	1908	*6.05	.....	.....
Prentiss Aroostook Complete Fertilizer.....	1906	3.20	6.78	9.97
	1907	2.39	5.00	8.83
	1908	3.19	5.82	9.44
Prentiss 10% Complete Potato.....	1908	2.44	7.52	8.78
Prentiss Aroostook Special.....	1906	2.67	8.79	8.44
Prentiss Aroostook Standard.....	1906	2.19	9.12	5.11
	†1907	1.46	7.36	9.37
Tuscarora Fruit and Potato Fertilizer.....	1906	1.59	8.46	9.32
	1908	1.82	8.67	10.35
Tuscarora Aroostook Special.....	1907	2.52	7.02	8.79
	1908	2.47	7.02	7.91
Tuscarora Complete Potato.....	1907	3.25	6.36	9.25
	1908	3.28	6.90	9.32

* Guarantee changed in 1908. † Guarantee changed in 1907. ** Parmenter & Polsey.

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen.	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Tuscarora Trucker's Special.....	1907	3.85	8.42	6.93
	1908	4.23	8.15	7.30
Provincial Ten Per Cent Aroostook Complete Potato.....	1906	3.10	7.27	9.62
	1907	3.40	7.41	9.51
	1908	2.44	7.52	8.78
Provincial Special Potato Phosphate.....	1906	†2.39	7.28	6.25
Read's Potato Grower.....	1906	3.35	5.83	6.77
	1907	3.07	7.92	8.13
	1908	2.70	6.97	7.92
Essex A. 1 Superphosphate.....	1906	1.16	6.06	2.19
Essex Complete Manure for Aroostook County Crops.....	1906	3.37	9.34	9.58
	1907	3.44	8.05	9.17
Essex Complete Manure for Potatoes, Roots and Vegetables	1908	3.35	5.34	10.08
Essex Potato Grower.....	1908	2.53	6.02	10.16
Essex Special Potato Phosphate for Potatoes and Roots..	1908	2.59	9.17	6.01
Essex Market Garden and Potato Manure.....	1906	1.89	7.42	5.95
	1907	2.08	7.09	5.47
	1908	2.16	7.05	4.98
Essex XXX Fish and Potash.....	1906	2.28	6.81	2.57
	1907	2.44	6.97	2.64
	*1908	2.09	7.12	3.25
Sagadahoc Co. Acid Phosphate.....	1907	.....	16.95	.....
	1908	.....	14.92	.....
Sagadahoc Aroostook Potato Manure.....	1906	1.29	6.96	3.39
	1907	1.50	6.08	4.01
	1908	1.24	5.33	5.65
Dirigo Grass and Grain Fertilizer.....	1906	0.87	6.96	5.18
	1907	1.20	6.86	3.33
	*1908	1.77	5.17	5.24
Sagadahoc Co. Muriate of Potash.....	1907	.....	.....	49.20
	1908	.....	.....	50.88
Sagadahoc Co. Nitrate of Soda.....	1907	14.32	.....	.....
	1908	*15.52	.....	.....
Sagadahoc High Grade Superphosphate.....	1906	1.62	8.94	3.52
	1907	1.44	7.18	3.25
	1908	1.82	*11.48	3.03
Sagadahoc Special Potato Fertilizer.....	1906	1.83	8.91	7.52
	1907	2.04	6.73	7.77
	1908	2.00	7.13	8.30
Sagadahoc XX Chemical Fertilizer.....	1906	†8.02	7.79	8.07
	1907	7.18	4.42	8.52
	1908	7.01	*6.68	10.18

† Guaranteed change in 1906.

* Guarantee changed in 1908.

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Yankee Fertilizer.....	1903	0.74	9.37	2.38
	1907	0.72	7.45	2.41
	1908	0.64	6.46	3.01
Sagadahoc Co. 3-6-10 Fertilizer.....	1906	2.11	8.38	9.34
	1907	2.24	6.99	9.12
	1908	*2.76	*5.87	10.55
Sagadahoc Co. 4-6-10 Fertilizer.....	1907	3.12	6.50	10.02
	1908	3.31	*6.32	10.73
Sanborn's Special Potato Fertilizer.	1906	3.19	9.19	10.51
Scientific Potato and Vegetable Fertilizer.....	1906	3.87	7.22	7.43
Acid Phosphate.....	1908	.....	14.41	.....
Muriate of Potash.....	1908	.....	.....	48.62
Nitrate of Soda.....	1908	15.74	.....	.....
Swift's Lowell Animal Brand.....	1906	2.37	10.66	4.22
	1907	2.41	9.76	3.92
	1908	2.76	7.89	4.25
Swift's Lowell Bone Fertilizer.....	1906	1.78	9.24	3.22
	1907	1.67	7.63	2.83
	1908	1.68	7.53	3.17
Swift's Lowell Cereal Fertilizer.....	1906	0.86	7.21	1.19
	1907	0.88	6.84	1.29
	1908	0.98	7.27	1.68
Swift's Lowell Dissolved Bone and Potash.....	1906	1.61	10.42	2.10
	1907	1.43	8.03	4.23
	1908	1.84	8.29	2.27
Swift's Lowell Empress Brand.....	1903	1.32	7.50	2.15
	1907	1.32	7.81	2.03
	1908	1.27	7.53	2.08
Swift's Lowell Potato Grower.....	1903	3.11	7.29	10.55
	1907	3.19	6.00	10.30
	1908	3.20	6.16	9.87
Swift's Lowell Potato Manure.....	1906	1.72	8.61	4.65
	1907	1.68	6.70	4.13
	1908	1.76	6.60	4.13
Swift's Lowell Potato Phosphate.....	1906	2.40	8.19	6.13
	1907	2.22	7.91	6.06
	1908	2.44	7.58	6.25
Swift's Special Potato Fertilizer.....	1908	2.55	6.32	9.85
Swift's Special Vegetable Manure.....	1908	3.11	7.92	7.10
Swift's Lowell Superior Fertilizer with 10% Potash.	1906	3.30	8.85	10.04
	1907	4.04	6.29	9.67
	1908	3.61	6.90	10.02

*Summary of results of analyses of Station samples for the years
1906, 1907 and 1908.*

NAME OF FERTILIZER.	Year.	Total nitrogen	Available phosphoric acid.	Potash.
		Per ct.	Per ct.	Per ct.
Whitman and Pratt's All Crop.....	1908	2.68	8.40	5.53
Whitman and Pratt's Potato Plowman.....	1908	3.45	7.04	6.62
Whitman and Pratt's Vegetable Grower.....	1906	3.53	9.21	6.56
	1907	2.52	7.86	7.26
	1908	3.41	8.28	7.67
Whitman and Pratt's Potash Special.....	1906	2.38	9.23	10.49
	1907	2.85	5.57	9.25
	1908	3.03	6.70	10.42
Whitman and Pratt's Potato Manure.....	1907	1.98	7.59	4.18
	1908	2.86	7.06	7.40
Whitman and Pratt's Corn Success.....	1907	1.82	8.29	3.10
	1908	1.97	8.26	3.35
Wilcox Complete Bone Superphosphate.....	1908	2.32	6.09	3.81
Premium Potato Fertilizer.....	1908	3.80	7.18	9.92

FREE ANALYSIS OF FOODS, FEEDS, FERTILIZERS, AND SEEDS.

The Station takes pains to obtain for analysis samples of all brands of fertilizers and feeding stuffs coming under the law. It also draws samples of agricultural seeds and foods in the hands of dealers. The co-operation of dealers and consumers is, however, essential for the full and timely protection of their interests.

Foods. Dealers and consumers are invited to send by pre-paid express original and unbroken packages of food or drug materials on sale in Maine of whose purity they are for any reason suspicious. Special directions for sending goods from opened packages will be sent on request. As prompt free analysis will be made of such samples as circumstances will allow.

Feeding Stuff. The Station will promptly analyze samples of feeding stuffs sold in Maine taken in accordance with directions which will be furnished on application. The results will be promptly reported without charge to interested parties. This applies to dealers and consumers alike.

Commercial Fertilizers. It is difficult to draw accurate samples of commercial fertilizers. On this account it is only in rare instances that the Station undertakes analyses of fertilizers other than the samples collected by its representative. In case there is a special reason for an examination, the Station invites correspondence on the subject.

Agricultural Seeds. Samples of agricultural seeds on sale in Maine, taken in accordance with directions which can be obtained on application to the Station, will be examined as promptly as possible and the results reported free of charge.

In all cases samples should be accompanied by a full description of the goods, including the name and address of the dealer and the sender. Small samples other than liquids can be forwarded by mail. Others should be forwarded by express, charges prepaid.

All correspondence relative to the laws regulating the sale of food and drugs, feeding stuffs, fertilizers, seeds and creamery glassware, should be addressed to

Director CHAS. D. WOODS,
Orono, Maine.

BULLETINS 158 AND 159.

Bulletin 158, Food of Man Studies, June, 1908, contains analyses of tropical fruits and vegetables; the effect of popping upon the composition of corn; the digestibility of hulled corn and an examination of graham flours.

Bulletin 159, Appliances and Methods for Pedigree Poultry Breeding, July, 1908, contains papers upon the New Maine Station trap nest; egg distributing and turning table; pedigree incubator baskets; chick leg band bender; and a system of keeping pedigree records.

These bulletins were sent to the official mailing list and to libraries. Copies of these bulletins will be sent to any resident of Maine on application.

OFFICIAL INSPECTIONS.

In June was begun a series of 8-page leaflets entitled Official Inspections which are designed primarily to bring the Experiment Station in touch with dealers. Four numbers have been issued.

No. 1 contains articles upon feeding stuffs, sausages, extracts, maple goods, ice cream, and soda waters.

No. 2 discusses tincture of iodine.

No. 3 has articles upon extract of wintergreen, sweet spirit of nitre, jams, preserves and sausages.

No. 4 gives notice that after January 1, 1909, that the sections of the Maine Food and Drug Law that have to do with labeling will be enforced on goods put up from opened packages by the retailer. It also contains results of analyses of pickles.

These are sent to all dealers in Maine and others upon a special mailing list. They will be sent to any resident of Maine on application.

All correspondence relative to the laws regulating the sale of food and drugs, feeding stuffs, fertilizers, seeds and creamery glassware, should be addressed to

Director CHAS. D. WOODS,
Orono, Maine.